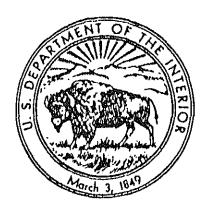
Fisheries Review





Jeff Humphrey, Editor

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AQUATIC PLANTS AND THEIR CONTROL

88-003683 Thompson, Boyd Z.; Jeffrey L. Underwood and Rue UTILIZATION OF TRIPLOID GRASS CARP IN SEWAGE-RETENTION PON OF FLOATING VEGETATION. Fla. Sci. 51(2):115-119. 1988. FR 33(4) [Game & Fresh Water Fish Comm., Fish. Ros. Lab., P.O. Box 1903, 1903) Ctenopharyngodon Idella in Florida.

GENERAL FISH CULTURE

France]

- 88-003684 Benito, Javier. [ECONOMIC ASPECTS OF THE AQUACULT Invest. Pesq. 51(Suppl. 2):231-235. 1987. In Spanish with English summ. [Escuela Superior Montes, Madrid, Spain]
- 88-003685 Billard, R. RESEARCH ON FISH REPRODUCTION FOR THE TOMORROW. Riv. Ital. Piscic. Ittiop. 23(1):13-16, 19. 1988. In Engli 33(4)

 [Mus. Natl. Hist. Nat., Ichtyol. Gen. & Appl., 43, Rue Cuvier, 752:
- 88-003686 Chattopadhyay, G. N.; P. K. Saha; Apurba Ghosh and H STUDY ON OPTIMUM BOD LEVELS FOR FISH CULTURE IN WASTEWA Wastes 25(2):79-85. 1988. FR 33(4) [Central Inland Capture Fish. Res. Inst., Barrackpore-743 101, West B
- 88-003687 Donati, Francesco. (INVESTMENT YIELDS IN AQUACULTU 51(Suppl. 2):223-230. 1987. In Spanish with English summ. FR 33(4) [Via Olmo, 278.30030 Martellago, Venezia, Italy]

88-003688 Florida Agricultural Statistics Service. FLORIDA AQUACULT

- \$35 MILLION IN 1987. Trop. Fish Hobbyist 37(1):54-57. 1988. FR 33(4)

 88-003689 Gousset B. A NOTE ON EEL RESEARCH IN JAPAN. Agu
- 88-003689 Gousset, B. A NOTE ON EEL RESEARCH IN JAPAN. Aqua 19(4):393-403. 1988. FR 33(4) [Danish Aquacult. Inst., 11 Agern Alle, DK-2970 Horsholm, Denmark]
- A. anguilla, and A. rostrata.

 88-003690 Jacobsen, Pal and Lasse Berglind. PERSISTENCE OF OXY

SEDIMENTS FROM FISH FARMS. Aquaculture 70(4):365-370, 1988. FR 33(
[Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 33, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 34, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 34, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 34, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros., P.O. Box 34, Blindern, 0313 Oslo 3, Norwegian Inst. Water Ros.

- 88-003691 Juesas, Joan Manuel. [THE ECONOMICS OF AQUACI AFFECTING THE PRODUCTION FUNCTION.] Invest. Pesq. 51(Suppl. 2
- Spanish with English summ. FR 33(4) [Gran Via Ramon ε Cajal, 28.46007 Valencia, Spain]
- 88-003692 Sarig, S. and Moshe Shilo. EFFECT OF LIGHT ON TH

- GENERAL FISH CULTURE (CONTINUED)
- 88-003693 Smith, T. I. J.; W. E. Jenkins; W. D. Oldland and DEVELOPMENT OF NURSERY SYSTEMS FOR REARING SHORTNOSE STUR
- Soc. Symp. 1:550, 1987. Abstract only. FR 33(4) (Mar. Resour. Res. Inst., S.C. Wildl. & Mar. Resour. Dep., P.O. Box 29412] Aclpenser brevirostrum.
- 88-003694 Stevens, Robert E. AQUACULTURE: AN OVERVIEW FOR 198 Wildl. Nat. Resour. Conf. 53:561-563, 1988, FR 33(4)
 - [U.S. Fish & Wildl. Serv., Marion, AL] 88-003695 Teichert-Coddington, D. R.; N. Stone and R. P. Phelps. HYD CULTURE PONDS IN GUALACA, PANAMA. Aquocult. Eng. 7(5):309-320. 1

[Dep. Fish. & Allied Aquacult., Auburn Univ., Auburn, AL 36849]

- TROUT AND SALMON CULTURE
- 88-003696 Albrektsen, Sissel; Oyvind Lie and Kjartan Sandnes. ASCORB'
- A DIETARY VITAMIN C SOURCE FOR RAINBOW TROUT (SALMO GAIRDN

- 71(4):359-368, 1988, FR 33(4)

- [Inst. Nutr., Dir, Fish., P.O. Box 4285, N-5028 Bergen, Norway]
- 88-003697 Barannikova, I. A. REVIEW OF STURGEON FARMING IN THE S
- Ichthyol, (Engl. Transl. Vopr. Ikhtlol.) 27(6):62-71, 1987. FR 3394)
- Scophirhynchus and Acipenser.
- Elrod, J. H. EFFECTS OF REARING DENSITY AND STOCKI
- POST-STOCKING SURVIVAL OF HATCHERY-REARED LAKE TROUT IN Int. Assoc. Great Lakes Res. Conf. 30: A-18. 1987. Abstract only. FR 33(4)
- [U.S. Fish & Wildl. Serv., Natl. Fish. Cent.-Great Lakes, 145) Green MI 48105) Salvelinus namaycush.
- F.I.O.M. [TWO STUDIES FROM THE F.I.O.M. ON THE
- NORWEGIAN REARED SALMONIDS AND THE MOVEMENT OF REARED SA WATER.] Equinoxe No. 18. p. 11-17, 1988. In French. FR 33(4)
- 88-003700 Gunnerod, T. B.; N. A. Hyldsten and T. G. Heggberget. OPI OF ATLANTIC SALMON SMOLTS, SALMO SALAR, IN CENTRAL NORWAY
- [Oir. Nat. Manage., Res. Div., Tungasletta 2, N-7004 Trondheim, Norw 88-003701 Holm, J. C. and D. Moller. A SYNOPSIS OF SMOLT PRODUCT

Fish. Aquot. Sci. 45(8):1340-1345. 1988. In English with French summ. FF

- A COASTAL FRESHWATER LAKE IN NORWAY. Aquacult. Fish. Manage. 19 FR 33(4) [Dep. Fish. Blot., Univ. Bergen, P.O. Box 1839 Nordnes, N-5024 Berge solar.
- 88-003702 Hootle Michael F DESIGN AND OPERATION OF A HIGH PER

iep. Sea Fish., Tasm. Mar. Lab., Crayfish Point, Taroona, Tasm. 7053, Aust o salar. 03703 - Hossain, Md. Abul; Masayuki Furuichi and Yasuo Yone. PROXIMATE TY ACID COMPOSITION OF LIVER, HEMATOLOGICAL CHARACTERISTICS, MICAL COMPONENTS IN PLASMA OF RED SEA BREAM FED ON SCRAP A MENTED WITH MOLDS. Nippon Sulsan Gakkalshi 54(8):1385-1389. 1988. In Englis lsh. Res. Lab., Kyushu Univ., Tsuyazaki, Fukuoka 811-33, Japan) *Pagrus major*. 03704 Hyldsten, N. A. and R. A. Lund. PREDATION ON HATCHERY-REARED) SMOLTS OF ALTANTIC SALMON, *SALMO SALAR* L., IN THE ESTUARY OF I LA, NORWAY. *J. Fish Biol*. 33(1):121-126. 1988. FR 33(4) Mr. Nat. Manage., Tungasietta 2, N-7004 Trondheim, Norway) Gadus morhug a ns. 03705 Kaiser, H. and O. Schmitz. WATER QUALITY IN A CLOSED RECIRCULA CULTURE SYSTEM INFLUENCED BY ADDITION OF A CARBON SOURCE IN RELA FEED UPTAKE BY FISH. Aquacult. Fish. Manage. 19(3):265-273. 1988. FR 33(4) nst. Anat., Physiol. Hyg., Univ. Bonn, Katzenburgweg 7-9, 53 Bonn, West Ger o aairdneri. 03706 Khakimullin, A. A. OXYGEN PREFERENDUM (PREFERRED OXYGEN REGIM CHERY YOUNG OF THE SIBERIAN STURGEON, ACIPENSER BAERI. J. Ichthyol. isl. Vopr. Ikhtlol.) 27(6):111-115. 1987. FR 33(4) Iberian Sci.-Res. & Proj.-Construct. Inst. Fish., SlbrybNIIproekt, Tyumen, USSF Kojima, Hiroshi; Munehico lwata; Mahito Miyamoto and Tadahida Kuro 03707 WATER ADAPTABILITY AND SERUM THYROXINE OF YEARLING MASU SA CORHYNCHUS MASOU) SMOLTIFIED IN THREE DIFFERENT PROCESSES.] Sci. kaldo Fish Hatchery No. 42, p. 53-56, 1987. In Japanese with English summ. FR 33 lokkaldo Fish Hatchery, Hokkaldo, Japan.] 03708 Lichatowich, James A. and John D. McIntyre. USE OF HATCHERIES IN AGEMENT OF PACIFIC ANADROMOUS SALMONIDS. Am. Fish. Soc. Symp. 1:13 , FR 33(4) ep. Fish & Wildl., 303 Ballard Ext. Hall, Oreg. State Univ., Corvallis rhynchus kisutch. 03709 McIntyre, John D.; Alan R. Hemmingsen and Raymond C. Simon. SELECTIO REASE SURVIVAL OF SMOLTS IN FOUR SUCCESSIVE BROODS OF COHO SA ns. Am. Fish. Soc. 117(1):90-92, 1988, FR 33(4) J.S. Fish & Wildl. Serv., Natl. Fish. Res. Cent., Bldg. 204, Naval Stn., Seattl 5] Oncorhynchus kisutch. 03710 Nakano, Hiroshi and Soichiro Shirahata. [AN EVALUATION OF SIOLOGICAL QUALITY OF HATCHERY REARED CHUM SALMON FRY ONCORHYN

A.] Nippon Suisan Cakkaishi 54(8):1263-1269, 1988. In Japanese with English sum

UT AND SALMON CULTURE (CONTINUED)

03702 CONTINUED

TROUT AND SALMON CULTURE (CONTINUED)

- 88-003711 Reisenbichler, Reginald R. RELATION BETWEEN DISTANC FROM NATAL STREAM AND RECOVERY RATE FOR HATCHERY COHO SA Fish. Manage. 8(2):172-174. 1988. FR 33(4) [U.S. Fish & Wildl. Serv., Natl. Fish. Res. Cent., Bldg. 204, Naval 98115] Oncorhynchus klsutch in Oregon and Washington.
- 88-003712 Roslyy, Yu. S.; N. M. Panasenko and N. F. Kapland STRUCTURE OF HATCHERY STOCKS AND REPRODUCTION OF AUTUMI ONCORHYNCHUS KETA, OF THE AMUR RIVER. J. Ichthyol. (Engl. Trans 27(6):1-11. 1987. FR 33(4) [Amur Branch, Pac. Fish. & Oceanogr. Res. Inst.-AoTINRO Khabarovsk
 - 88-003713 Shustov, Yu. A. and I. L. Shchurov. QUANTITATIVE STAMINA OF WILD AND HATCHERY-REARED ATLANTIC SALMON (SA Aquaculture 71(1/2):81-87. 1988. FR 33(4)
 [Inst. Biol., Karelian Branch, USSR Acad. Sci., Petrozavodsk 185610, Marketian Branch, USSR Acad. Sci., Marketi
- [Inst. Biol., Karellan Branch, USSR Acad. Sci., Petrozavodsk 185610, F 88-003714 Sigurdsson, Fridrik. AQUACULTURE IN ICELAND. Riv. II 23(1):5-6, 9-10, 1988. In English with Italian summ. FR 33(4)
- 88-003715 Smith, Robert R.; Harold L. Kincaid; Joe M. Regenstein and GROWTH, CARCASS COMPOSITION, AND TASTE OF RAINBOW TROU STRAINS FED DIETS CONTAINING PRIMARILY PLANT OR ANIMAL PROT 70(4):309-321. 1988. FR 33(4) [Tunison Lab. Fish Nutr., U.S. Fish & Wildl. Serv., Cortland,
- gairdnerl.

 88-003716 Solvio, Antti; Erkki Virtanen and Marja Muona. DESMOLTIFIC ACCELERATEO BALTIC SALMON (SALMO SALAR) IN BRACKISH WA 71(1/2):89-97. 1988, FR 33(4)
- [Div. Physiol., Dep. Zool., Univ. Helsinki, Arkadiankatu 7, SF-00100 H
- 88-003717 Svealy, Tore L. INSHORE VERSUS OFFSHORE FARMING. 7(4):279-287. 1988. FR 33(4)
 [Farmocean AB, Datavagen 14 A S-436 32 Askim, Sweden] Salmo galrdne.
 - 88-003718 Swink, William D. THE EFFECT OF LAKE TROUT SIZE ON SEA LAMPREY ATTACK. Int. Assoc. Great Lakes Res. Conf., 30:A-57, 19:

49759] Salvelinus namayoush and Petromyton marinus.

[U.S. Fish & Wildl. Serv., Hammond Bay Biol, Stn., Rt. 1, Box 44"

WARMWATER CULTURE

FR 33(4)

- 88-003719 Ameen, Mahmud-ul; Pk. M. Motiur Rahman; Naseem A. Ale
- Rahman; Shahadat All and Z. Tahmida Begum. IDENTIFICATION OF CRI'N FISH PRODUCTION IN SEMI-INTENSIVELY MANAGED FISH PONDS IN 1

8-003720 Ferguson, Sandra. PROPAGATION OF BARBUS VIVIPARUS UNDER HA ONDITIONS, Lammergeyer No. 38, p. 55-59, 1987, FR 33(4) (Umgeni Warmwater Hatchery, P.O. Box 41, Cato Ridge 3680, South Africal 8-003721 Fineman-Kallo, A. S. PRELIMINARY OBSERVATIONS ON THE EFF ALINITY ON THE REPRODUCTION AND GROWTH OF FRESHWATER NILE T REOCHROMIS NILOTICUS (L.), CULTURED IN BRACKISHWATER PONDS. Aguacu anage. 19(3):313-320. 1988. FR 33(4) [Fac! Agric., Rivers State Univ. Sci. & Technol., PMB 5080, Port Harcourt, Nigel 3-003722 Garcia, Luis Maria B. and Joebert D. Toledo. CRITICAL F. VELUENCING SURVIVAL AND HATCHING OF MILKFISH (CHANOS CHANOS FOR GGS DURING SIMULATED TRANSPORT. Aquaculture 72(1/2):85-93. 1988. FR 33(4) [Aquacult, Dep., SEAFDEC, Tigbauan, Hollo City, Philippines]

ARMWATER CULTURE (CONTINUED)

3-003724 Keenum, Mark E. and John E. Waldrop. ECONOMIC ANALYSIS OF FARM ATFISH PRODUCTION IN MISSISSIPPI. Miss. Agric. For. Exp. Stn. Tech. Bull. 1 988. FR 33(4) [Miss. Agric. & For. Exp. Stn., Miss. State Univ., Mississippi State] Ictalurus sp 3-003725 Kourll, J.; T. Barth and J. Hamackova. STRIPPING THE FEMA HEATFISH (SILURUS GLANIS L.) WITH LH-RH ANALOG INDUCTION. Pr. Vodnany

B-003723 Gerochi, Dante D.; Melchor M. Lljauco and Dan D. Baliao, COMPARISON ILO AND BROADCAST METHODS OF APPLYING ORGANIC FERTILIZER IN MI HANOS CHANOS (FORSSKAL), PONDS. Aquaculture 71(4):313-318, 1988, FR 33(4) [Aquacult, Dep., Southeast Asian Fish, Day, Cent., Tigbouan, Ilollo, Philippines]

. 62-68, 1987. In English with Czech summ. FR 33(4) [Vyzkumny ustav rybarsky & hydrobiol., 389 25 Vodnany, Czechoslovakia] 8-003726 - Mangalo, Hana H. and Manal M. Akbar. LIMNOLOGICAL INVESTIGAT HE AL-LATIFIYAH COMMON CARP (CYPRINUS CARPIO) POND (BAGHDAD - IR. OOD AND FEEDING HABITS OF CYPRINUS CARPIO L. J. Environ, Sci. Health

nylron, Sci. Eng. 23(6):513-524, 1988, FR 33(4) [Hay Al-Riyadh, 908/43/12, Baghdad, Irag] 8-003727

Marte, Clarissa L. AN IMPROVED METHOD FOR COLLECTING NAT

PAWNED MILKFISH EGGS FROM FLOATING CAGES. Aquaculture 71(4):387-392. 3(4) [Southeast Asian Fish. Dev. Cent., Aquacult. Dep., Tigbayan, Hollo, Philippines hanos.

8-003728 Merola, Nino and J. Honrique De Souza. CAGE CULTURE OF THE AMAZ

AMBAQUI, COLOSSOMA MACROPOMUM, AT TWO STOCKING DENSITIES. Agu 1(1/2):15-21, 1988, FR 33(4)

[FAO-Proj. GCP/RLA/075/ITA Support Region. Aquacult. Activites Latin aribbean, c.p. 07-1058, 70330 Brasilia, DF, Brazil]

WARMWATER CULTURE (CONTINUED)

- 88-003729 Murad, Areena Anna. EXPERIMENTS ON FERTILIZATION OF AND EVALUATION OF QUALITY AND QUANTITY OF EFFLUENTS FR. CHANNEL CATFISI. PONDS. Ph.D. dissertation, Auburn Univ. 83p.
 - Abstr. Int. B Sci. Eng. 49(2):269. 1988. FR 33(4)

 Ictalurus punctatus and Lepomis sp.
- 88-003730 Murad, Haider Ali. ACIDIFICATION AS ENVIRONMENTAL POLON FISHPOND ECOLOGY. Ph.D. dissertation, Auburn Univ. 101p. 1987.
- Int. B Sci. Eng. 49(2):269. 1988. FR 33(4) Lepomis sp. and Ictalurus punctatus.

Greecel

Australial

- 88-003731 Nerrie, Brian Lloyd. PRODUCTION FUNCTION ANALYSES O CENTRAL ALABAMA CATFISH PRODUCTION PONDS. Ph.D. dissertet 93p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(2):269. 1988. FR 33(4) ictalurus sp.
- 88-003732 Papoutsoglou, S. E. and G. A. Voutsinos. INFLUENCE OF I GROWTH RATE OF *TILAPIA AUREUS* (STEINDACHNER) REARED CIRCULATED SYSTEM. *Aquacult. Fish. Manage*. 19(3):291-298. 1988. FR [Dep. Appl. Hydrobiol., Agric. Univ. Athens, 75 Iera Odos, Votania
- 88-003733 Pokorny, J. REARING ADVANCED FRY OF CARP IN PONI STOCK DENSITIES. Pr. Vodnany No. 16. p. 45-52. 1987. In English wi 33(4)
- [Vyzkumny ustav rybarsky & hydrobiol., 389 25 Vodnany, Czecho carplo in Czechoslovakla.
- 88-003734 Rowland, Stuart J. HORMONE-INDUCED SPAWNING OF FRESHWATER FISH MURRAY COD, MACCULLOCHELLA PE (PERCICHTHYIDAE). Aquaculture 70(4):371-389. 1988. FR 33(4) [Dep. Agric., Inland Fish. Res. Stn., P.O. Box 182, Narrand
 - 88-003735 Sarig, S. THE FISH CULTURE INDUSTRY IN ISRAEL I 40(2):43-49, 1988. FR 33(4)
 - [Lab. Res. Fish Dis., Nir-David, D.N. 19150, Israel]
- FISH PRODUCTION IN PONDS WITH ORGANIC LOADING. Ph.D. disserta 118p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(2):270. 1988. FR 33(4 Tilapla ourea and T. nilotica.

Sedana, I. Putu. DEVELOPMENT OF BENTHOS AND ITS

88-003737 Shen Peirong and Xu Binchen, PEN CULTURE IN WULI LAKE Aquaculture 71(4):301-312, 1988, FR 33(4)
[Asian-Pac, Regional Res. & Training Cent, Integrated Fish Farm

Oreochromis oureus and Cyprinus carplo.

```
03738 CONTINUED 1988, FR 33(4)
Cool. Dep., Univ. Malaysia, 59100 Kuala Lumpur, Malaysial
```

robiologia 166(3):277-283, 1988, FR 33(4) Otsu Hydrobiol. Stn., Kyoto Univ., Shimosakamoto, Otsu, Shiga, Japan] Aristi llis, Hypophthalmichthys molitrix, Ctenopharyngodon Idella, Cyprinus carpio, and ta.

03739 Swar, D. B. and T. B. Gurung, INTRODUCTION AND CAGE CULTU TIC CARPS AND THEIR IMPACT ON FISH HARVESTED IN LAKE BEGNAS, N

03740 Weisburd, Richard S. SILVER CARP (HYPOPHTHALMICHTHYS MOLI ECTS ON WATER QUALITY IN FRESHWATER PRAWN (MACROBRACHIUM ROSENB IDS IN HAWAII. Pac. Scl. 42(1-2):137. 1988. Abstract only. FR 33(4) Dep. Oceanogr., Univ. Hawaii, Honolulu]

03741 Yusoff, Fatimah. FISH PRODUCTION, PRIMARY PRODUCTIVITY TRIENT AVAILABILITY IN FERTILIZED FISH PONDS IN MALAYSIA. Ph.D. disser h. State Univ. 79p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(3): 584. 1988. FR ristichthys nobilis, Ctenopharyngodon Idella, Cyprinus carple, and Puntius gonion

RICULTURE

003743

THE JAPANESE RED SEA BREAM (CHRYSOPHRYS MAJOR) IN ITALY. 1 RIV. Ital. pp. 23(1):11-12. 1988. In Italian and English. FR 33(4) Ittica Ugento S.p.A., Via Parini 2, 73100 Lecce, Italvi Degani, G. and D. Levanon. THE RELATIONSHIP BETWEEN AM

003742 Corbant, L.; A. Lazzani and F. Banbato. (THE INTRODUCTION AND RE

DUCTION AND OXYGEN CONCENTRATION IN WATER AND THE BIOMASS OF EEL FEL OF PROTEIN IN THE DIET OF ANGUILLA ANGUILLA L. Aquacult, Eng. 7(4 . 1988. FR 33(4) Migal-Galilee Technol. Cent., Kiryat Shmona 10200. Israell 003744 Duray, Marietta and Hiroshi Kohno. EFFECTS OF CONTINUOUS LIGHTII

aculture 72(1/2):73-79, 1988, FR 33(4) Aquecult, Dep., SEAFDEC, P.O. Box 256, Hollo City, Philippines1 003745 Foscarini, Roberto. A REVIEW: INTENSIVE FARMING PROCEDURE FOR RE

OWTH AND SURVIVAL OF FIRST-FEEDING LARVAL RABBITFISH, *SIGANUS GUTT*

EAM (PAGRUS MAJOR) IN JAPAN. Aquoculture 72(3/4):191-246. 1988. FR 33(4) Dep. Biol., Univ. Roma 2, "Tor Vergata", 00100 Rome, Italy)

003746 Francescon, A.; A. Freddi; A. Barbaro and R. Giayenni, [PARALLEL] TWEEN HATCHERY-BRED AND WILD-CAUGHT GILTHEAD SEABREAM (SPARUS A) UNDER DIFFERENT REARING CONDITIONS] Aquaculture 72(3/4):273-285. 19

nch with English summ. FR 33(4) Int. Blol. Mare, CNR, Riva 7 Martiri 1364/A, 30122 Venezia, Italyl 88-003747 Fujimakl, Yukio; Yasushi Tomizawa; Kishio Hatai and Sab HISTOPATHOLOGICAL EXAMINATION OF RED SEA BREAM WITH CLOUDINESS ON THE BODY SURFACE.] Fish Pathol. 23(2):111-115. 19

English summ, FR 33(4) [Dep. Fish Dis., Nippon Vet. & Zootech. Coll., 1-7-1 Kyonan Cho. Mu Japan) Pagrus mojor in Japan.

88-003748 Kaspan, Heinrich F.; Grahame H. Hall and A. Jan Holland CAGE SALMON FARMING ON SEDIMENT NITRIFICATION AND DISSIA REDUCTIONS. Aquaculture 70(4):333-344. 1988. FR 33(4)

[Cawthron Inst., P.O. Box 175, Nelson, New Zealand] Oncorhynchus Zealand. 88-003749 McNeil, William J. MARICULTURE: AN AID OR HINDRANCE

Trans. N. Am., Wildl. Nat. Resour. Conf. 53:569-576. 1988. FR 33(4) [Oreg. State Univ., Newport]

88-003750 Perez Benavente, Gonzalo and François-Joel Gatesoupe.
DISTRIBUTION OF ROTIFERS INCREASES THE ESSENTIAL FATTY TURBOT LARVAE, SCOPHTHALMUS MAXIMUS, Aquaculture 72(1/2):109 [IFREMER/INRA, Cont. Brest, BP 70, 29263 Plouzane, France]

88-003751 Turk, Christopher T. MARINE FISH NUTRITION: PART 1. 36(11):98, 100-105, 1988, FR 33(4)

FEEDS, FEEDING, AND NUTRITION

88-003752 Adams, Michael A.; Peter B. Johnsen and Zhou H ENHANCEMENT OF FEEDING FOR THE HERBIVOROUS FISH *TILAPIA*

72(1/2):95-107, 1988, FR 33(4)

[Monell Chem. Senses Cent., Univ. Pa., 3500 Market St., Philadelphia

88-003753 Alava, Veronica R. and Chhorn Lim. ARTIFICIAL DIS

CHANOS CHANOS (FORSSKAL), FRY REARED IN SEAWATER. Aquac 1988. FR 33(4) [Aquacult, Dep., Southeast Asian Fish, Dev. Cent., P.O. Bo

Philippines 88-003754 Blanco B., Oscar and Tobias Roman G. [USE OF FISH-PUL

English summ, FR 33(4)

OF MALE TILAPIA HORNORUM AND FEMALE T. MOSSAMBICA IN PUNTARENAS, COSTA RICA.] Rev. Biol. Trop. 34(2):273-276. 19 (Univ. Costa Rica, Cent. Regional Occidente, San Ramon, Costa Rica)

88-003755 de la Higuera, M.; M. Garcia-Gallego; A. Sanz; G. Cardene F. J. Moyano. EVALUATION OF LUPIN SEED MEAL AS AN ALTERNATIV IN FEEDING OF RAINBOW TROUT (SALMO GAIRDNERI). Aquaculture FR 33(4) [Dec. Biol. Anim., Ecol. & Genet., Fac. Cienc., Univ. Grenada 1807] From Diss. Abstr. Int. B Sci. Eng. 49(1):4. 1988. FR 33(4) 03757 Fagbenro, Oyedapo A. RESULTS OF PRELIMINARY STUDIES QN LIZATION OF COCOA-POD HUSKS IN FISH PRODUCTION IN SOUTH-WEST NIG . Wastes 25(3):233-237. 1988. FR 33(4) pep. Fish. & Wildl., Fed. Univ. Technol., P.M.B. 704, Akure, Nigeria] Cyp lo.

03756 Eid, Abd Elhamed Mohamed Salah. THE ASSESSMENT OF PROTEIN QUALIT P (CYPRINUS CARPIO) DIETS. Ph.D. dissertation, Univ. Aston (Birmingham).

BINATIONS. Aquacult. Fish. Manage. 19(3):283-290. 1988. FR 33(4) EAFDEC Aquacult, Dep., Tigbauan 5021, Iloilo, Philippines l Hughes, Steven G. ASSESSMENT OF LUPIN FLOUR AS A DIET INGRE 03759 RAINBOW TROUT (SALMO GAIRDNERI). Aquaculture 71(4):379-385. 1988. FR 33(Ionell Chem. Senses Cent., 3500 Market St., Philadelphia, PA 191041

03758 Fermin, A. C. and R. D. Recometa. LARVAL REARING OF BIGHEAD (STICHTHYS NOBILIS RICHARDSON, USING DIFFERENT TYPES OF FEED AND

03760 Lam, Sum-Wah and K. L. Shephard. SOME EFFECTS OF NATURAL ELS AND HIGH-PROTEIN SUPPLEMENT ON THE GROWTH OF CARP. Aquac /2):131-138. 1988. FR 33(4) Dep. Biol. Sci., Univ. Buckingham, Buckingham MK18 1E, England] Cyprinus carps 03761 Martinez-Palacios, C. A. DIGESTIBILITY STUDIES IN JUVENILES OF ICAN CICHLID, CICHLASOMA UROPHTHALMUS (GUNTHER). Aquacult. Fish. M. 1):347-354, 1988, FR 33(4) CINESTAV-IPN, Merida, Yucatan, Mexico)

03762 Olvera N., Miguel A.; Carlos A. Martinez P.; Reyna Galvan C. and C VEZ S. THE USE OF SEED OF THE LEGUMINOUS PLANT SESBANIA GRANDIFLORA ITIAL REPLACEMENT FOR FISH MEAL IN DIETS FOR TILAPIA (OREOCH SAMBICUS). Aquaculture 71(1/2):51-60. 1988. FR 33(4) Cent. Invest. & Estudios Avanzados I.P.N., Unidad Morida, Apdo. Postal 73-Coro Ida, Yucatan 97310, Mexico]

203763 Prinsloo, J. F. and H. J. Schoonbee. NOTES ON THE EARLY LARVAL RE THE BUTTER CATFISH EUTROPIUS DEPRESSIROSTRIS (SCHILBEIDAE) USING

ARTIFICIAL FEED. Water SA (Pretoria) 14(3):163-165, 1988, FR 33(4) Limnol, Res. Unit, Univ. North, Private Bag X1106, Sovenge 0727, South Africa

003764 Rehulka, J. and J. Hrasek. TESTING THE ANTIOXIDANT ACTIC RASAN (ETHOXIQUINOLATE) AND BHT (BUTYLHYDROXYTOLUOL) IN THE LETS FOR RAINBOW TROUT (SALMO GAIRDNERI R.). Pr. Vodnany No. 16. p.

7. In English with Czech summ. FR 33(4) Vyzkumny ustav rybarsky & hydrobiol. Vodnany, pracoviste Varenska 51, rava, Czechoslovakial

003765 Seneriches, Mary Lynn M. and Yvonne N. Chiu. EFFECT OF FISHMEAL O

- 88-003765 CONTINUED
 [Chiu: Brackishwater Aquacult. Cent., Coll. Fish., Univ. Philippin 5000, Philippines]
- ec correct cuts and a second control of the control
- 88-003766 Shiau, Shi-Yan; Hao-Ling Yu; Sophy Hwa; Shih-Yang Ch THE INFLUENCE OF CARBOXYMETHYLCELLULOSE ON GROWTH, [EMPTYING TIME AND BODY COMPOSITION OF TILAPIA. Aquacultur FR 33(4)
- FR 33(4)
 [Dop. Mar. Food Sci., Natl. Taiwan Coll. Mar. Sci. & Technol., K
 Oreochromis niloticus and O. gureus.
- 88-003767 Tabachek, Jo-Anne L. THE EFFECT OF FEED PARTICLE AND FEED EFFICIENCY OF ARCTIC CHARR [SALVELINUS ALPINU 71(4):319-330, 1988, FR 33(4)
- 71(4):319-330. 1988. FR 33(4)
 [Dep. Fish. & Oceans, Cent. & Arctic Region, Freshwater Inst., 50
 Winnipeg, MB, Canada R3T 2N6]

CULTURE. Bamldgeh 40(1):29-34, 1988, FR 33(4)

[Kfar Masaryk, D.N. Ashrat 25208, Israel] Cyprinus carplo, Oreo O. aureus.

88-003769 Yamada, Shoji; Yoshito Tanaka and Muneo Sameshima.
NITROGEN LOSS FROM AMINO ACID DIETS FOR CARP. Nippon Suisa

(TAPIOCA AND LUPIN) AS INGREDIENTS FOR CARP AND TILAPIA

Viola, Shlomoh; Yeruham Arieli and Gil Zohar. Ut

- 1988. In English. FR 33(4)
 [Lab. Mar. Blochem., Fac. Fish., Kagoshima Univ., Shimoarata,
 Cyprinus carpio.
- 88-003770 Zagarese, Horacio E. REARING FRY OF SOUTH AMERICA SAPO) ON NATURAL ZOOPLANKTON POPULATIONS. Aquaculture 7(33(4) [Inst. Nac. Invest. Desarrollo Pesquero, Dep. Aguas Continenti Grande (7600), Mar del Plata, Argentina]

TRANSPORTING FISH

88-003768

- TRANSPORTING FISH
- 88-003771 De, D. K.; D. Nath and P. R. Sen. PRELIMINARY TRIA FRY OF HILSA ILISHA (HAMILTON), Indian J. Fish. 33(4):481-484.
- IN FISH TRANSPORT USING THE PLASTIC BAG METHOD. Aq. 19(3):275-281. 1988. FR 33(4)

 [Inst. Meereskunde, Dusternbrooker Weg 20, D-2300 Kiel 1, West G

Fromse, R. RELATIONSHIP BETWEEN BODY WEIGHT AND

[Cent. Inland Fish. Res. Inst., Barrackpore - 743101, W.B., India]

AQUARIUMS

88-003772

88-003774 Kapralski, Adam. MY EXPERIENCES WITH LAMPROLOGUS LELEUPI Hobbyist 36(12):23-26, 29-30, 1988, FR 33(4)

88-003775 Palicka, Jini. A TRANSPARENT BEAUTY: BREEDING CHANDA RA Fish Hobbyist 36(12):42-44, 47, 1988, FR 33(4)

88-003776 Pinkerton, Alan. BREEDING CORYDORAS HARALDSCHULTZI. Hobbylst 36(12):32-35 1988 FR 33(4) 88-003777 Ralph, Deborah and Rodney Ralph. BREEDING AUSTRALIA'S DE Trop. Fish Hobbylst 36(12):38-40, 1988, FR 33(4) Chlamydogoblus eremius.

88-003778 Richter, Hans-Joachim. THE RED FORM OF APISTOGRAMMA AGAS Fish Hobbylst 37(1):10-12, 14-15, 17, 1988, FR 33(4) Richter, Hans-Joachim, BREEDING POECILIA NIGROFASCIATA.

Hobbylst 36(10):10-12, 14-15, 1988, FR 33(4) 88-003780 Stratton, Richard F. THE QUEEN OF THE SEAS, Trop. Fish Hobby. 83. 1988. FR 33(4) Ballstes vetula.

88-003781 Stratton, Richard F. THE KING ANGEL, HOLACANTHUS PASSER Hobbylst 36(12):94-97. 1988. FR 33(4)

88-003782 Turk, Christopher T. MARINE FISH NUTRITION, PART 2. Trop. F

36(12):99, 101-102, 104, 106, 108, 1988, FR 33(4)

MISCELLANEOUS CULTURE TECHNIQUES AND EQUIPMENT 88-003783 Losordo, Thomas M.; Raul H. Piedrahita and James M. Ebeling. AN

WATER QUALITY DATA ACQUISITION SYSTEM FOR USE IN AQUACULTL Aquacult, Eng. 7(4):265-278, 1988, FR 33(4) [Dep. Zool., N.C. State Univ., Raleigh 27695]

Nirmalakhandan, N.; Y. H. Lee and R. E. Speece. OPTIMIZI ABSORPTION AND NITROGEN DESORPTION IN PACKED TOWERS. Aquacult. En 234, 1988, FR 33(4)

[Speece: Drexel Univ., Philadelphia, PA 19104] 88-003785

Varvarigos, Panagiotis. MICROCOMPUTER BASED FISH FARM F

PLANNING: THE DEVELOPMENT OF A MICROCOMPUTERISED DATA RECO PRODUCTION DECISION SUPPORT SYSTEM FOR INDIVIDUAL FISH FARMER IMPLEMENTATION ON A FRESH WATER TROUT HATCHERY. Ph.D. dissert

Co. H. (Hallard M.) 1 204 1002 E. Disable I. L.

88-003786 Welt, Marc. OXYGEN RECHARGE AS A FUNCTION TEMPERATURE, AND HEIGHT OF FALL IN SERIAL REUSE FISH PONDS Lights 1740, 1988 FR 33(4)

Idaho 124p. 1988. FR 33(4)

88-003787 Yamasaki, S.; H. Hirata; S. H. Cheali; K. J. Ang FUNCTIONS OF A STREAM UNIT ON THE GROWTH OF PHYTOPLANK' AND FISH FRY IN A NEW CULTURE TANK SYSTEM. Aquacult. Eng. 7(33(4) [Fac. Fish., Kagoshima Univ., Kagoshima 890, Japan] Puntlus gonlon

GENERAL LIMNOLOGY AND OCEANOGRAPHY

88-003788 Irvin, Kenneth. ZOOPLANKTON ECOLOGY AND THE EFF ADDITIONS, HABITAT STRUCTURE AND FISH PREDATION O. ECOSYSTEM. Ph.D. dissertation, Univ. E. Anglia (England) 336p. 198 Int. B Sci. Eng. 49(2):306. 1988. FR 33(4)

88-003789 Maeda, Hiroto and Akira Kawai. MICROFLORA AND BACTE PRODUCTION IN THE BOTTOM SEDIMENT OF LAKE BIWA. Nipp. 54(8):1375-1383. 1988. In English with Japanase summ. FR 33(4) {Lake Biwa Res. Inst., Uchidehama, Otsu, Shiga 520, Japan}

PHYSICAL LIMNOLOGY AND OCEANOGRAPHY

Am. Fish. Soc. 117(1):37-47. 1988. FR 33(4)
[Waste Manage. Inst., SUNY, Stony Brook, NY 11794]

88-003791 Zou Shanghui. [STUDY OF MODERN VICISSITUDES OF TOROUP BY USING REMOTE SENSING TECHNIQUES.] Oceanal. Limnol

88-003790 Swanson, R. Lawrence and Charles A. Parker. PHYSIC. FACTORS CONTRIBUTING TO RECURRING HYPOXIA IN THE NEW Y

88-003792 Oliver, J. Douglas, EFFECTS OF BIOGENIC AND SIN

1987. In Chinese with English summ. FR 33(4) [Cent. China Teacher's Univ., Wuchang, China]

CHEMICAL LIMNOLOGY AND OCEANOGRAPHY

ENRICHMENT ON FISH AND OTHER COMPONENTS OF OKEFENOKE Ph.D. dissertation, Univ. Ga. 179p. 1987. From Diss. Abstr. Int. B 1988. FR 33(4)
Leptolucania ammata and Cambusia allinis.

88-003793 Swanson, George A.; Thomas C. Winter; Vyto A. Add LaBaugh. CHEMICAL CHARACTERISTICS OF FRAIRIE LAKES IN SOU DAKOTA--THEIR POTENTIAL FOR INFLUENCING USE BY FISH AND Wildl. Serv. Tech. Rep. No. 18. 44p. 1988. Available from U.S. Fisl

Unit, Matomic Bldg., Rm. 148, Washington, DC 20240 FR 33(4)
[U.S. Fish & Wildl. Serv., North. Prairie Wildl. Res. Cent., Box

Chinese with English summ. FR 33(4) Vaniing Inst. Geogr., Acad. Sinica, Nanjing, Chinal THOS

)03795 Markmann, Carla. BENTHIC MONITORING IN THE SACRAMENTO-SAN JO. TA: RESULTS FROM 1975 THROUGH 1981. Interagency Ecol. Study Prog. Sacra

Joaquin Estuary Tech. Rep. 12, 51p, 1986, FR 33(4)

003794 Yu Yuansheng, [CHARACTERISTICS OF DISTRIBUTION AND MIGRATIC SPHORUS IN DEPOSITS OF DIANCHI LAKE. | Oceanol, Limnol, Sin. 19(2):149-156.

RPHOLOGY 003796 Acero P., Arturo and Jaime Garzon F. [TAXONOMY AND NOMENCLATU AETODON SEDENTARIUS POEY AND CHAETODON ACULEATUS (POEY) (P ETODONTIDAE) AND NOTES ON THEIR BIOLOGY IN SANTA MARTA, COLON

. Biol. Trop. 34(2):267-271. 1986. In Spanish with English summ. FR 33(4) Univ. Nac. Colombia, INVEMAR, Apdo. 1016, Santa Marta, Colombia] Prognathodes 003797 Al-Hassan, L. A. J. and A. K. Naama. SOME VERTEBRAL ABNORMALIT HES COLLECTED FROM THE EUPHRATES IN IRAQ. Indian J. Fish. 33(2):237-241 33(4) Mar. Scl. Cent., Univ. Basrah, Basrah, Iraq] Tor grypus, Mesopolamichthys sho

Liza abu. 003798 Al-Kadhomiy, N. K. and G. M. Hughes. HISTOLOGICAL STUDY OF DIFF CIONS OF THE SKIN AND GILLS IN THE MUDSKIPPER, BOLEOPHTHALMUS BOD H RESPECT TO THEIR RESPIRATORY FUNCTION. J. Mar. Blot. Assoc. U.K. 68(, 1988. FR 33(4)

Res. Unit Comp. Anim. Respir., Univ. Bristol, Woodland Rd., Bristol BSE (land 003799 Anker, G. Ch. THE MORPHOLOGY OF JOINTS AND LIGAMENTS NERALIZED HAPLOCHROMIS SPECIES: H. ELECANS TREWAVAS 1933 (TELE HLIDAE) II. THE JAW APPARATUS. Neth. J. Zool. 37(3-4):394-427. 1987. FR 33(Res. Group Ecol. Morphol., Zool. Lab., Rijksuniv. Lelden, Postbus 9516, 23

den, Netherlands) 003800 Bakker, Th. C. M. and P. Sovenster, PLATE MORPHS OF GASTERO ULEATUS LINNAEUS (PISCES: GASTEROSTEIDAE): COMMENTS ON TERMINO

nelo 1988(3):659-663, 1988, FR 33(4) Ethol. Dep., Zool. Lab., Univ. Leiden, P.O. Box 9516, 2300 RA Leiden, Netherlan

003801 Boacham, Terry D.; Ruth E. Withler; Clyde B. Murray and L. W. I RIATION IN BODY SIZE, MORPHOLOGY, EGG SIZE, AND BIOCHEMICAL GENET

4K SALMON IN BRITISH COLUMBIA. Trans. Am. Fish. Soc. 117(2):109-126. 19

4) Dep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nanaimo, BC, Cana 3] Oncorhynchus gorbuscha.

- 88-003802 Beall, Edward and Patrick Davaine. [SCALE ANALYSIS O TRUTTA L.]: SCALE RING FORMATION AND IDENTIFICATION CLAND NON-MIGRANT INDIVIDUALS FROM ONE POPULATION ACKERGUELEN ISLANDS (TAAF).] Aquat. Living Resour. 1(1):3-16. English summ. FR 3344)
 - [Lab. Ecol. Poissons, INRA, Stn. Hydrobiol., Saint-Pee-sur-Nivell France]

 88-003803 Bemis, William E. CONVERGENT EVOLUTION OF JAW-0
- LEPIDOSIRENID LUNGFISHES AND TETRAPODS. Can. J. Zool. 65(1 English with French summ. FR 33(4)
 [Dep. Zool., Univ. Mass., Amherst 01003-0027] Lepidosiren spp. an
- 88-003804 Bennett, M. B. MORPHOMETRIC ANALYSIS OF THE GILL EEL, ANGUILLA ANGUILLA. J. Zool. (Lond.) 215(3):549-560. 1988. F [Dep. Pure & Appl. Biol., Leeds Univ., Leeds, W. Yorks. LS2 9JT,
- 88-003805 Blouw, D. M. and D. W. Hagen. THE ADAPTIVE SIGN SPINE VARIATION IN THE FOURSPINE STICKLEBACK, APELT TEMPORAL VARIATION. Con. J. Zool., 65(11):2651-2660. 1987. In

summ. FR 33(4)

[Dep. Biol., St. Francis Xavier Univ., Antigonish, NS, Canada B2C 88-003806 Bordat, C. [THE HISTOLOGY AND ULTRASTRUCTI CALCIFICATIONS IN THE LESSER SPOTTED DOGFISH SCYLIORHINU Zool, 66(6):1432-1445, 1988. In French with English summ, FR 33(4)

[Hospital Enfantes Malades, 149 rue Sevres, 75743 Paris Cedex 15, 6

Burgin, Toni, ASYMMETRY AND FUNCTIONAL DESIGN

- 88-003807 Bruce, B. D. LARVAL DEVELOPMENT OF BLUE GREN. NOVAEZEL ANDIAE (HECTOR), IN TASMANIAN WATERS. U.S. Natt. But. 86(1):119-128. 1988. FR 33(4)
- NOVAEZELANDIAE (HECTOR), IN TASMANTAN WATERS, U.S. Bull. 86(1):119-128. 1988. FR 33(4)
 [Dep. Fish., GPO Box 1625, Adelaide, S.A. 5001, Australia]
- JAW APPARATUS IN SOLEOID FLATFISHES (PISCES; PLEURONEC Zool. 37(3-4):322-364. 1987. FR 33(4)

 (Palaontol. Inst. & Mus. Univ. Zurich. Kunstlergasse 16, CH-8008

 Achirus ochirus, Cynoglosus zanzibarensis, and Dicologoglossa cuneal
- 88-003809 Chapleau, Francois. COMPARATIVE OSTEOLOGY RELATIONSHIPS OF THE TONGUE SOLES (PISCES; CYNOGLOSSIDAE). Con. J. Zool. 66(5):1214-1232. 1988. In English 33(4)
- (ichthyol. Sect., Natl. Mus. Nat. Sci., P.O. Box 3443, Stn. D, Ot 6P4)
- 88-003810 Collin, Shaun P. and H. Barry Collin. THE MORPHOLOGY LENS OF THE SANDLANCE, *LIMNICHTHYES FASCIATUS* (CREEIDA

[Collin, H. B.: School Optometry, Univ. New South Wales, P.C

47(4):209-218. 1988. FR 33(4)

- 88-003811 Corti, M.; R. S. Thorpe; L. Sola; V. Sbordoni an MULTIVARIATE MORPHOMETRICS IN AQUACULTURE: A CASE STUDY C THE COMMON CARP (CYPRINUS CARPIO) FROM ITALY, Con. J. I
- 45(9):1548-1554, 1988. In English with French summ. FR 33(4) [Dip. Biol. Anim. dell'Uomo, Via A. Borelli, 50, Univ. Roma "La Saprenz
- 88-003812 Crane, S. A.; J. M. Fenaughty and R. W. Gauldie. TH BETWEEN EYE DIAMETER AND FORK LENGTH IN THE SPINY OREO DO SP. N.Z. J. Mar. Freshwater Res. 21(4):641-642, 1987, FR 33(4) [Gauldie: Fish. Res. Cent., Minist. Agric. & Fish., P.O. Box 297
- Zealand]
- 88-003813 Crespo, S.; R. Sala and M. J. Marlasca. [FISH BRANCHI FUNCTION AND PATHOLOGICAL ALTERATIONS.] Med. Vet. 5(4):199-212, 1988. In Spanish, FR 33(4)
 - [Lab. Biol., Univ. Autonoma, Barcelona, Spain] Scopthalmus maximus.
- 88-003814 Currens, Kenneth P.; Carl B. Schreck and Hiram W. Li. RE THE USE OF OTOLITH NUCLEAR DIMENSIONS TO IDENTIFY JUVENILE A NONANADROMOUS RAINBOW TROUT, SALMO GAIRDNERI. U.S. Natl. Fish, Bull, 86(1):160-163, 1988, FR 33(4) [Coop. Fish. Res. Unit, Oreg. State Univ., Corvallis 97331
- 88-003815 Da Graca Salomao, Maria and Paulo Sawaya, MORPHOLOGY AN OF THE GONOPODIUM IN POECILID FISH, Zool, Anz. 220(3/4):135-143. 19 [Univ. Sao Paulo, Rua Terre Roxa 311, 06300 Carapiculba Sao Paulo reticulate and Phalloceros caudimaculatus.
- 88-003816 Daniel, Thomas L. FORWARD FLAPPING FLIGHT FROM FLEXI Zool. 66(3):630-638. 1988. In English with French summ. FR 33(4) [Dep. Zool., NJ-15, Univ. Wash., Souttle 98195] Roja eglateria.
- 88-003817 de Pontual, Helene and Patrick Prouzet. NUMERICAL ANA MORPHOLOGY TO DISCRIMINATE BETWEEN ATLANTIC SALMON STOC Resour, 1(1):17-27, 1988, In English with French summ. FR 33(4) [IFREMER, Cent. Brest, DRV/AP, B.P. 337, 29273 Brest cedex, France
- 88-003818 del Barco, Daniel and Angel Panattieri. [A CASE OF ALBINI KNERI, BLEEKER 1862, PISCES, DORADIDAE.] Com. Mus. Prov. Ameghino" No. 9, p. 1-20, 1980. In Spanish with English summ. FR 33(4) [MAG, Ave. Aristobulo del Valle 8700, 3000 Santa Fe, Argentina]
- 88-003819 Diaz, J. P. and R. Connes, (PARTICULARITIES ULTRASTRUCTURAL ORGANIZATION OF THE SEA-BASS DICENTRAR (PISCES, TELEOSTEI).) Ann. Sci. Nat. Zool. Biol. Anim. 9(2):123-141 with English summ. FR 33(4) [Lab. Biol. Anim., Univ. Sci. & Tech. Languedoc, F 34060 Montpellier (

88-003820 Dickman, Michael C.; Manfred Schliwa and George W. B DEATH AND DISAPPEARANCE PRODUCES COLOR METANO 253(1):9-14, 1988, FR 33(4)

POLYCHROMATIC MIDAS CICHLID (CICHLASOMA CITRINELLUM

[Dep. Biol. Sci., Univ. Calif., Santa Barbara 93106]

88-003821 Eastman, Joseph T. OCULAR MORPHOLOGY IN ANTAR FISHES. J. Marphol. 196(3):283-306. 1988. FR 33(4)

[Dep. Zool, & Biomed. Sci. & Coll. Osteopathic Med., Ohio Univ., A 88-003822 El-Fiky, N. and W. Wieser, LIFE STYLES AND PATTERNS GILLS AND MUSCLES IN LARVAL CYPRINIDS (CYPRINIDAE: TELE

33(1):135-145, 1988, FR 33(4) [Wieser: Inst. Zool., Univ. Innsbruck, Technikerstr. 25, A-602 Abramis brama, Chondrostoma nasus, Alburnus alburnus, Rutile cephalus, and L. leuciscus.

88-003823 Erben, Radovan; Srecko Leiner; Hrvoje Gomercic and BLENNIDAE FAMILY FROM THE POREC LITTORAL AREA. | Ichthyos In Serbo-Croatian with English summ. FR 33(4)

(Fac. Nat. Sci., Zool. Dep., Rooseveltov trg 6, 41000 Zagreb, Yugo B. sanguinolentus, B. tentacularis, and B. gattorugine in Yugoslavia Frazzetta, T. H. THE MECHANICS OF CUTTING AND

TEETH (CHONDRICHTHYES, ELASMOBRANCHII). Zoomorphology 1988, FR 33(4) [Dep. Ecol., Ethol., & Evol., Univ. III., 515 Morriff Hall, 505 \$. 618011

88-003825 Gambaryan, S. P. KIDNEY MORPHOLOGY I MICRODISSECTIONAL AND ULTRASTRUCTURAL STUDY. J. FISH

1988. FR 33(4) [1.M. Sechenov. Inst. Evol. Physiol. & Biochem., Acad. Sci. Leningrad 194223, USSR] Acipenser stellatus, A. gueldenstaed persicus, A. ruthenus, and Huso huso.

Gjosaeter, Harald. PRIMARY GROWTH INCREMENTS 88-003826 TROPICAL MYCTOPHID SPECIES, Biol. Oceanogr., 4(4):359-382, 1987 [Inst. Mar. Res., Nordes, Norway]

88-003827 Gomez-Segade, Pablo and Ramon Anadon. SPECI DIENCEPHALON OF ADVANCED TELEOSTS. J. Morphol. 197(1):71-10 [Dep. Fundamental Biol., Fac. Biol., Univ. Santiago, Compostel mediterraneus, Syngnothus acus, Gasterosteus aculeatus, Pleuronec lulis.

88-003828 Green, David M. and D. Louise Barber. THE VENTRAL A

CLINGFISH GOBIESOX MAEANDRICUS: INTEGUMENTAL STRUCT MECHANISMS. Can. J. Zool. 66(7):1610-1619. 1988, In English with 8

(Redpath Mus., McGill Univ., Montreal, PQ, Canada H3Ã 2K6)

ERVATIONS ON THE GRANULOCYTES OF THE STURGEON, ACIP VIROSTRUM (CHONDROSTEI). J. Fish Biol. 33(2):235-245, 1988. FR 33(4) (ish. Res. Cent., Minist. Agric. & Fish., P.Q. Box 297, Wellington, New Zealand) 03831 Hofer, R. MORPHOLOGICAL ADAPTATIONS OF THE DIGESTIVE TRAC PICAL CYPRINIDS AND CICHLIDS TO DIET. J. Fish. Biol. 33(3):399-408, 198 .) nst. Zool., Univ. Innsbruck, Technikerstr. 25, A-6020 Innsbruck, Austria) alpinnatus, Rasbora daniconius, Amblypharyngodon melettinus, Esomus do ochromis mossambicus, and Puntius spp. 03832 Hoogerhoud, R. J. C. THE ADVERSE EFFECTS OF SHELL INGESTION LUSCIVOROUS CICHLIDS, A CONSTRUCTIONAL MORPHOLOGICAL APPROACH. ool, 37(3-4):277-300, 1987, FR 33(4) Res. Group Ecol. Morphol., Zool. Lab., Rijksuniv. Leiden, Postbus 9516, 230 en. Netherlands) Astatoreochromis ulluqudi.

03829 Hilliand, R. W. and L. C. Potter, MORPHOLOGY OF THE EXOCRINE PANC THE SOUTHERN HEMISPHERE LAMPREY, GEOTRIA AUSTRALIS, AND CHANGES DI

03830 Hine, P. M. and J. M. Wain. ULTRASTRUCTURAL AND CYTOCHE

chool Biol. & Environ. Sci., Murdoch Univ., Perth, W.A. 6150, Australia)

AMORPHOSIS, J. Morphol. 197(1):33-52, 1988, FR 33(4)

03834 Hussain, S. M. CRANIAL OSTEOLOGY OF BREGMACEROS MCCLEL MPSON, WITH A NOTE ON ITS RELATIONSHIP WITH OTHER GADIFORMES. Inc. . 33(3):251-261, 1986, FR 33(4) nst. Mar. Biol., Univ. Karachi, Karachi 32, Pakistan] 03835 Imagawa, Tomohiro. A MORPHOLOGICAL STUDY ON BLOOD CELLS IPHOID TISSUES OF CARP (CYPRINUS CARPIO). Jpn. J. Vet. Res. 36(2):151. tract only. FR 33(4) Dep. Vot. Anat., Fac. Vet. Med., Hokkaldo Univ., Sapporo 060, Japan I

03833 Hossain, Amjad and Hiran M. Dutta, EMBRYOLOGY OF INTESTINAL CAE BLUEGILL (LEPOMIS MACROCHIRUS). Can. J. Zool. 66(4):998-1003. 1988. In E

103836 Jahn, Andrew E. and Richard L. Haudrich, NOTES ON THE PELAGIC SOU RK ISISTIUS BRASILIENSIS, Biol. Oceanogr, 5(4):297-309, 1987, FR 33(4) Sect. Fish., Los Angeles Cty. Mus. Nat. Hist., 900 Exposition Blyd., Los Angele

)7] 193837 Kawamura, Gunzo and Shinichi Ohashi. THE HABIT OF CUTLASSFI

ERRED FROM THE RETINA. Nippon Sulsan Gakkaishi 54(5):889, 1988. In English 1)

urus.

Dep. Biol. Sci., Kent State Univ., Kent, OH 44242]

French summ. FR 33(4)

Fac. Fish., Kagoshima Univ., 4-50-20 Shimoarata, Kagoshima 890, Japan] *Tric*

- 88-003838 CONTINUED 1988, FR 33(4)
 [Fish: Res. Lab., Mie Univ., P.O. Box 11, Wagu, Shima, Mie 517-07,
- 88-003839 Leis, Jeffrey M. LARVAL DEVELOPMENT IN FOUR SPECIE CORAL TROUT PLECTROPOMUS (PISCES: SERRANIDAE: EPINEP ANALYSIS OF THE RELATIONSHIPS OF THE GENUS. Bull. Mar. Sci.
- [Div. Vertebr. Zool., Australian Mus., P.O. Box A 285, Sydney, N. Plectropomus leopardus, P. maculatus, P. areolatus, and P. laevis.
- 88-003840 Lenhardt, Mirjana. [COMPARATIVE ANALYSIS CHARACTERISTICS OF THE CHUB (LEUCISCUS CEPHALUS L.) FROOF THE VRUJCI STREAM NEAR LJIG (THE SAVA RIVER SYSTE ZAPADNA MORAVA RIVER (PRELIMINARY REPORT).] Ichthyos No. Serbo-Croatian with English summ. FR 33(4)
 - (Jasmina KRPO, Inst. Biol. Instrazivanja, "Sinisa Stankovic", Beogra
- 88-003841 Losel, Rene; Ricardo Rojas-Beltran; Jean-Marie Blanc; Micl Lesel. OSIDASIC PROFILES IN THE DIGESTIVE TRACT OF SOME HERBIVOROUS CONTINENTAL FISHES OF FRENCH GUIANA. Agi 1(1):53-57. 1988. In English with French summ. FR 33(4)
- [INRA, Stn. Hydrobiol., Lab. Microorganismes, B.P. 3. Saint-P Ascain, France] Arius parkeri, A. couma, Myleus ternetzi, Leporinus thoracatum, and Hypostomus watwata.
- 88-003842 LI Sizhong and Wang Hulmin. (OSTEOLOGICAL STUDIE FLATFISHES II. THE VERTEBRAE, RIBS, EPIPLEURALS AND MYOSI Zool. Sin. 33(3):267-276. 1987. In Chinese with English summ. FR 33(4 [Inst. Zool. Acad. Sinica, Beijing, China]
- 88-003843 Lombardi, Julian and John P. Wourms. EMBRYO TROPHOTAENIAL DEVELOPMENT IN GOODEID FISHES (TELEOSTEI: A Morphol. 197(2):193-208. 1988. FR 33(4) [Dep. Biol., Univ. N.C., Greensboro 27412-5001] Amaca spiendens a
- 89-003844 Longing Supplies Ella Kinarati and Incompany
- 88-003844 Lonning, Sunniva; Elin Kjorsvik and Inger-Brit COMPARATIVE STUDY OF PELAGIC AND DEMERSAL EGGS FROM CON IN NORTHERN NORWAY. Sorsia 73(1):49-60. 1988. FR 33(4) [Kjorsvik: Inst. Biol. Geol., Univ. Tromso, P.O. Box 3085 Gul
- Norway] Gadus marhua, Melanogrammus aegiefinus, Hippogi Hippogiossoides piotessoides, Pieuronectes platessa, Piatichthys fies Clupea harengus, Cyclopterus lumpus, Myoxocephalus scorpius, and A
- 88-003845 MacNeill, David B. and Stephen B. Brandt. ONTOGENET RAKER MORPHOLOGY AND PREY CAPTURE EFFICIENCY OF THE A Great Lakes Res. Conf. 30:A-41. 1987. Abstract only. FR 33(4) [SUNY-ESF, Illick Hall, Syracuse, NY 13210] Alosa pseudoharengus.

23847 McAllistor, Chris T. and James T. McAllistor, Jr. AN UNUSUAL BLUE CAT ALURUS FURCATUS (SILURIFORMES: ICTALURIDAE), FROM ARKANSAS. Tex. J. 361-363, 1988. FR 33(4) enal-Metabol. Lab. (151-G), Vet. Admin. Med. Cent., 4500 S. Lancastor Rd., [75216]

23848 McNulty, J. A.; M. A. Neighbors and M. H. Horn. ULTRASTRUCTURE CHEMISTRY OF THE PINEAL ORGAN IN DEEP-SEA LANTERNFISHES (MYCTOPHI Prientia (Basel) 44(9):740-742. 1988. FR 33(4) ep. Anat., Loyola Univ. Stritch School Med., Maywood, IL 60153] Triphe canus, Stenobrachius leucopsaurus, Lampunyctus ritteri, Tarletonbeania crent

)3846 Matthews, William J. and Frances P. Gelwick. VARIATION AND SYSTEM. ETHEOSTOMA RADIOSUM, THE ORANGEBELLY DARTER (PISCES: PERCIDAE). (

(3):543-554. 1988. FR 33(4)

niv. Okla. Biol. Stn. & Dep. Zool., Kingston 734391

Dolophorus californiensis, and Carassius auratus.

03849 Mauniar, François. [NEW DATA ON THE SPATIAL ORGANIZATION OF LAGENOUS FIBRILS IN THE BASAL PLATE OF TELEOSTS SCALES.] Ann. Sci. Blol. Anim. 9(2):113-121. 1988. In Franch with English summ. FR 33(4) 1.A. C.N.R.S. 041137 Lab. Anat. Comp., Univ. Paris 7 2, placo Jussieu, F 75251 10 20 305, France]

O3850 Mayer, Axel. MORPHOLOGIC MEASUREMENTS FROM SPECIMENS AND THE S: TEST OF A METHOD FOR THE STUDY OF ALLOMETRY AND PHENO STICITY IN FISHES. Neth. J. Zool. 37(3-4):315-321. 1987. FR 33(4) lus. Vertebr. Zool. & Dep. Zool., Univ. Calif., Berkeley 94720]

O3851 Mollah, M. F. A. CYCLIC CHANGES IN THE OVARY OF FRESHWATER CARIAS MACROCEPHALUS (GUNTHER). Indian J. Fish. 33(1):54-65. 1986. FR 33(4)

RIAS MACROCEPHALUS (GUNTHER). Indian J. Fish. 33(1):54-65. 1986. FR 33(4) chool Biol. Sci., Univ. Sci., Penang, Malaysia]

03852 Myagkov, N. A. EXTERNAL STRUCTURE OF THE CEPHALIC BRAIN O AGIC SHARK, SQUALIOLUS LATICAUDUS. J. Ichthyol. (Engl. Transl. Vopr. Ik):125-127. 1987. FR 33(4) colar Sci.-Res. Inst. Fish. . Oceanogr. -- PINRO, Murmansk, USSR]

03853 Nishikawa, Yasuo. LARVAL MORPHOLOGY OF STRIPED BONITO, S ENTALIS, WITH COMMENTS ON DISTINCTION FROM KAWAKAWA, EUTH INIS. Bull. Far Seas Fish. Res. Lab. No. 25. p. 163-175. 1988. In English with Ja m. FR 33(4)

m. FR 33(4) Far Seas Fish. Res. Lab., 7-1, 5-chome Orido, Shimizu 424, Japan]

03854 Oguri, Mikio. HISTOLOGY OF THE INTERRENAL GLANDS OF SOUTH AME SHWATER STINGRAYS. *Nippon Sulsan Gakkalshi* 54(8):1339-1341. 1988. In Englis

SHWATER STINGRAYS. *Nippon Sulsan Gakkalshi* 54(8):1339-1341. 1988. In Englis .) .ab. Fish Bjol., Fac. Agric., Nagoya Univ., Nagoya 464, Japan] *Potamotrygon*. Mac. Sci. 43(1):1-40. 1988. FR 33(4)
[Northeast Fish. Cent., NMFS, NOAA, Narragansett Lab., S. Fe Ri 02892]

88-00357 Pratt, Harold L., Jr. ELASMOBRANCH GONAD STRUC AND SURVEY. Copela 1988(3):719-729, 1988, FR 33(4) [U.S. Dep. Commerce, NOAA, NMFS, Northeast Fish. Cent

Narragansett, Ri 02882] Rajo erinacea.

88-003858 Prokes, Miroslav; Armando Perez Martinez and Milan Pe CICHLASOMA TETRACANTHUM IN THE POSTHATCHING PERIOD. Fo 1987. In English with Russian summ. FR 33(4)

(Inst. Syst. & Ecol. Biol., Czech. Acad. Sci., Brno. Czechoslovak 88-003859 Randall, John E. and Malikusworo Hutomo. REDESCR PACIFIC SERRANID FISH PSEUDANTHIAS BIMACULATUS (SMITH). 1988. FR 33(4) (Div. Ichthyol., Bernice P. Bishop Mus., Box 19000-A, Honolulu,

88-003860 Re, Pedro. [ON THE IDENTIFICATION OF THE FIRS SARDINA PILCHARDUS (WALBAUM, 1792) AND ENGRAULIS ENCR 1958]. Cienc. Biol. Ecol. Syst. 6(1/2):135-140. 1988. In Portugese 33(4)

[Dep. Zool. & Anthropol., Fac. Cienc. Univ. Lisboa, Rua Escola I Portugal]

88-003861 Re, Pedro. OTOLITH MICROSTRUCTURE AND THE HISTORY EVENTS IN SARDINE AND ANCHOVY LARVAE. Clenc. Blo 17. 1986. In English. FR 33(4) {Dep. Zool. & Anthropol., Fac. Cienc. Univ. Lisboa, Rua Escola Portugal} Sordina pitchardus and Engraulis encrasichalus in Portuga 88-003862 Rodriquez Ruiz. Amadora and Carlos Granado Lorencio.

Portugal) Sardina pitchardus and Engraulis encrasichalus in Portuga

88-003862 Rodriguez Ruiz, Amadora and Carlos Granado Lorencio.

STRUCTURES IN FIVE SPECIES OF CHIROSTOMA (PISCES: ATH Trop. 35(1):97-106. 1987. In Spanish with English summ. FR 33(4) [Dep. Ecol., Univ. Sevilla, Apdo. 1095, 41080 Sevilla, Spain] C. C. Iucius, C. ocotlonge, and C. sphyraena.

88-003863 Rojo, Alfonso and Pedro Ramos, (CONTRIBUTION T ROACH, RUTILUS ARCASI, STEINDACHNER 1866, OF THE JUCAR (CYPRINIDAE). I. MORPHOMETRY.) Donana Acto Vertebr. 14:53-66

CYPRINIDAE). I. MORPHOMETRY.) Donana Acto Vertebr. 14:5 English summ. FR 33(4) (Biot Dep., St. Mary's Univ., Halifax, NS, Canada B3H 3C3)

88-003854 Rojo, Alfonso, THE OSTEOLOGY OF BARBUS BOCAGE!
(PISCES: CYPRINIDAE), Donona Acta Vertebr. 14:5-40, 1987, In

[Bio1, Dep., St. Mary's Univ., Halifax, NS, Canada B3H 3C3]

88-003865 Ross, Steve W. XANTHIC COLORATION AS THE NORM,
JUVENILE SPECKLED HIND, EPINEPHELUS DRUMMONDHAY! (

03867 Schafer, Heike and Volker Blum, STUDIES ON THE SUBCOMMISSURAL O ALMO GAIRDNERI, J. Marphol. 196(3):345-351, 1988, FR 33(4) uhr-Univ., Arbeitsgruppe Vergleichende Endokrinol., Bochum, West Germanyl 03868 Sibbing, Ferdinand A. SPECIALIZATIONS AND LIMITATIONS IN [ZATION OF FOOD RESOURCES BY THE CARP, CYPRINUS CARPIO: A STUD L FOOD PROCESSING. Environ. Blot. Fishes 22(3):161-170, 1988, FR 33(4) ep. Exp. Anim. Morphol. & Cell Biol., Agric. Univ., Marikaweg 40, 670 ningen. Netherlands l 03869 Sire, Jean-Yves. EVIDENCE THAT MINERALIZED SPHERULES ARE INVO HE FORMATION OF THE SUPERFICIAL LAYER OF THE ELASMOID SCALE IN CICI HLASOMA OCTOFASCIATUM AND HEMICHROMIS BIMACULATUS (PISCES, TELEOS EPIDERMAL ACTIVE PARTICIPATION? Cell Tissue Res. 253(1):165-172. 1988. FR

03866 - Roubal, Frank R. GILL SURFACE AREA AND ITS COMPONENTS IN LOWFIN BREAM, ACANTHOPACRUS AUSTRALIS (GUNTHER) (PISCES: SPARI

eo. Parasitol., Univ. Oueensland, St. Lucia, Old. 4067, Australia l

. J. Zool. 35(1):25-34. 1987. FR 33(4)

ab. Anat. Comp., Univ. Paris 7, 2, place Jussieu, F-75251 Paris codex 05, France 03870 Swain, D. P. EVIDENCE OF SELECTION FOR VERTEBRAL NUMBER OF F MOUTH, MYLOCHEILUS CAURINUS, Can. J. Fish. Aquat. Sci. 45(7):1279-1290. nolish with French summ. FR 33(4) ep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nanalmo, BC, Canadi

03871 Taugbol, Trond; Jostoin Skurdal and Ragnyald Anderson, ECOLOG HEICANCE OF DIFFERENCES IN FREQUENCY OF WHITE FIN MARGINS AMONG WN TROUT (SALMO TRUTTA) POPULATIONS. Can. J. Fish. Aquat. Sci. 45(7): . 1988. In English with French summ. FR 33(4) esna Aquafarm A/S, P.O.B. 447, N-2601 Lillehammer, Norway)

3872 Teshima, Kazuyuki. A YELLOW SPECIMEN OF SABLEFISH TAKEN IN NG SEA. Bull. Far Seas Fish. Res. Lab. No. 25. p. 177-178. 1988. In English nese summ, FR 33(4) ar Seas Fish, Res. Lab., 7-1, 5-chome Orido, Shimizu 424, Japan 1

33873 Tota, B.; F. Farina and G. Zummo. ULTRASTRUCTURAL ASPECT CTIONAL INTEREST IN THE VENTRICULAR MYOCARDIAL WALL OF THE ANTAR

ISH CHAENOCEPHALUS ACERATUS. Comp. Blochem. Physial. B Comp. Blo):561-566, 1988, FR 33(4)

ep. Exp. Pharm., Fac. Pharm., Univ. Naples, Via Rodino, 80138 Naples, Italy)

03874 Van Der Marwa, W.; J. H. J. Van Vuren and J. F. Vermaak. CY OMORPHOLOGICAL CHANGES IN THE OVARY OF MUDFISH, *LABEO CAPE*

iculture 72(3/4):349-358, 1988, FR 33(4) an Vuren: Res. Unit. Fish Biol., Rand Afrikaans Univ., P.O. Box 525, Johanno South Africal

- [Moscow State Univ., Uzbekistan Sci.-Res. Inst. Fish. -- UzNIIRKh. Wainwright, Peter C. MORPHOLOGY AND ECOLOGY: FUN
- FFFDING CONSTRAINTS IN CARIBBEAN LABRID FISHES. Ecology 6913 33(4) [Dep. Dev. & Cell Biol., Univ. Calif., Irvina 92717] Halichoeres pl
- bivittatus, and H. moculipinna. 88-003877 Ward, Paul I. SEXUAL DICHROMATISM AND PARASITIS
- IRISH FRESHWATER FISH. Anim. Behav. 36(4):1210-1215, 1988, FR 33([Dep. Zool., Univ. Liverpool, Liverpool L69 38X, England]
- 88-003878 Watanabe, Hiroko, MORPHOLOGICAL STUDY ON THE PSEU((CYPRINUS CARPIO). Jpn. J. Vet. Res. 36(2):179. 1988. Abstract only [Dep. Vet. Anat., Fac. Vet. Med., Hokkaido Univ., Sapporo 060, Jap
- 88-003879 Whitear, M. 'TUBULE BODIES' IN THE EPIDERMIS OF CA
- Fish Biol. 33(1):165-166, 1988, FR 33(4) (Dep. Biol., University Coll., Gower St., London WC1E 6BT, England
- 88-003880 Zeiske, Eckart; Birgit Theisen and Samuel H. Gr MORPHOLOGY OF THE OLFACTORY ORGAN OF TWO CARCHARHINI
- Can. J. 2001. 65(10):2406-2412. 1987. In English with French summ. FR (Zool. Inst., Univ. Hamburg, Martin Luther King Platz 3, D-200 Germany) Negaption brevirostris and Carcharhinus faiclformis.
- Zheng, W. B. and W. S. Liu, MORPHOLOGY AND H SWIMBLADDER AND ULTRASTRUCTURE OF RESPIRATORY EPITHE BREATHING CATFISH, PANGASIUS SUTCHI (PANGASIIDAE). J. Fish 1988, FR 33(4) [Res. Sect. Ichthyol., Dep. Biol., S. China Normal Univ., Guangzho
- 88 003882 Zhigalin, A. Yu. (ESTIMATION OF GONADOSOMATIC II SARDINE.] Mar. Blol. Vladivostok 1987(5):72-74. 1987. In Russian wi 33(4) Lab. Fish. Resour. Kuroshio, Pac. Res. Inst. Fish. & Oceanogr.
 - PHYSIOLOGY

USSR) Sardinops melanosticta.

88-003875 CONTINUED

Anguilla laponica.

- 88-003883 Alhossaini, M. and T. J. Pitcher. THE RELATION BETY BODY GROWTH AND ENVIRONMENTAL FACTORS IN PLAICE, PLEUR
- L., JUVENILE OTOLITHS. J. Fish. Biol. 33(3):409-418, 1988, FR 33(4) School Anim. Biol., University Coll. North Wales, Bangor, Gwynedd

[Lab. Physiol., Fac. Integrated Arts & Sci., Hiroshima Univ., H

88-003884 Ando, Masaaki. AMINO ACID METABOLISM AND WATER THE SEAWATER EEL INTESTINE, J. Exp. Biol. 138:93-106, 1988, FR 3:

```
88-003885 Ando, Seiichi; Hirohito Kodama; Yuji Kawai and Mutsuo Hatar
PURINE NUCLEOTIDES BY HIGH PERFORMANCE LIQUID CHROMA
```

APPLICATION FOR ANADROMOUS SALMONID FISHES. Bull. Fac. Fish 39(2):142-150, 1988, In English, FR 33(4)

[Lab. Food Chem. I, Fac. Fish., Hokkaido Univ., Hakodate 041, Jap. gorbusche and O. masou.

88-003886 Angelidis, P.; F. Baudin-Laurencin and P. Youinou TEMPERATURE ON CHEMILUMINESCENCE OF PHAGOCYTES FRO DICENTRARCHUS LABRAX L. J. Fish Dis. 11(4):281-288, 1988. FR 33(4)

[Baudincin-Laurencin: Lab. Natl. Pathol. Anim. Aquat., IFREMER, Plauzane, Francel

88-003887 Audet, Celine and Chris M. Wood, DO RAINBOW TROUT (SA ACCLIMATE TO LOW pH? Can. J. Fish. Aquatic Sci. 45(8):1399-1405. 1988 French summ. FR 33(4) [INRS-Oceanol., 310 ave. des Ursulines, Rimouski, PQ, Canada G5L 3A1

88-C03888 Audet, Celine; R. Stephen Munger and Chris M. Wood. LONG-ACID EXPOSURE IN RAINBOW TROUT (SALMO GAIRDNERI) IN SOFT WAT ION EXCHANGES AND BLOOD CHEMISTRY, Can. J. Fish. Aquat. Sci. 1988. In English with French summ. FR 33(4) [INRS-Oceanol., 310 ave. des Ursulines, Rimouski, PQ, Canada G5L 3A1

88-003889 Austin, B. and D. McIntosh, NATURAL ANTIBACTERIAL CO SURFACE OF RAINBOW TROUT, SALMO GAIRDNERI RICHARDSON. J. FIS 277, 1988, FR 33(4)

[Dep. Brewing & Biol. Sci., Heriot-Watt Univ., Chambers St., Ed Scotland Axelsson, Michael. THE IMPORTANCE OF NERVOUS

MECHANISMS IN THE CONTROL OF CARDIAC PERFORMANCE IN THE CADUS MORHUA AT REST AND DURING NON-EXHAUSTIVE EXERCIS 137:287-303. 1988. FR 33(4) [Comp. Neurosci. Unit, Dep. Zoophysiol., Univ. Gataborg, P.O. B. Goteborn, Sweden]

88-003891 Babu, P. Rajendra and P. D. Prasada Rao, RETINAL PRO-CATFISH, MYSTUS VITTATUS (BLOCH) AS REVEALED BY TRACE HORSERADISH PEROXIDASE. Cell Tissue Res. 253(1):259-262. 1988. FR 3.

[Prasada Rao: Dep. Zool., Nagpur Univ., Univ. Campus, Nagpur 440010 88-003892 Baker, Gary Earl. EXPERIMENTAL STUDIES ON THE ORGAN GUSTATORY SYSTEMS OF THE CARP, (CYPRINUS CARPIO). Ph.D. di

Notl. Academic Awards (United Kingdom) 137p. 1987. From Diss. Abstr.

49(2):329-330, 1988, FR 33(4) Baker, Ian J.; Igor I. Solar and Edward M. Donaldson, MAS

CHINOOK SALMON (ONCORHYNCHUS TSHAWYTSCHA) BY IMMERSION TR 17a-METHYLTESTOSTERONE AROUND THE TIME OF HATCHING. Aquaci 207 1000 CD 22/ ()

- 88-003895 Ban, Masatoshi; Noboru Kasahara and Kohei Yamauch CHANGES IN THE HATCHERY-REARED UNDERYEARLING MASU SALMO MASOU) DURING SMOLTIFICATION. | Sci. Rep. Hokkaldo Fish Hatche 1987. In Japanese with English summ. FR 33(4)
 - [Fac. Fish., Hokkaido Univ., Hokkaido, Japan]
- Ban, Masatoshi; Noboru Kasahara and Kohei Yamauch 88-003896 CHANGES IN THE HATCHERY-REARED YEARLING MASU SALMO
 - MASOU) DURING SMOLTIFICATION. | Sci. Rep. Hokkaldo Fish Hatche 1987. In Japanese with English summ. FR 33(4)
- [Fac. Fish., Hokkaido Univ., Hokkaido, Japan]
- THE PIPEFISH, SYNGNATHUS SCOVELLI, J. Morphol, 197(3):353-369.
- 88-003897 Begovec, Paul C. and Robin A. Wallace. STAGES OF OOCY
- [Univ. Tex., M.D. Anderson Cancer Cent., Dep. Blochem. & Holcombe Blvd., Houston 77030]

- 88-003898 Benavides, A. Gonzalo; Francisco Bozinovic; Juan M. Cand
- [ASSIMILATION OF ALGAE BY LITTORAL CHILEAN FISHES: SIC
- (GOBIESOCIDAE) AND APLODACTYLUS PUNCTATUS (APLODACTILIDA
- 8(1):21-26, 1986. In Spanish with English summ. FR 33(4)
- [Dep. Cienc. Ecol., Fac. Cienc., Univ. Chile, Casilla 653, Santlago,

- 88-003899 Bernatchez, L. and J. J. Dodson, EXTENDED FRESHWATE
- TO SPAWNING: THE INFLUENCE OF WATER VELOCITY AND TEMPERA
- ROLE IN CONTROLLING THE UPSTREA CAPACITY AND ITS
 - ANADROMOUS COREGONINES OF JAMES BAY, QUEBEC, Am. Fish. Soc
 - Abstract only, FR 33(4) [Dep. Biol., Univ. Laval, Quebec, PQ. Canada G1K 7P4] Coregonu.
- ortedil.

- and O. tshawytscha.

- - Cedex, France] Salmo gairdneri.

- - 88-003900 Bernatchez, L. and J. J. Dodson. WHY DO SO POPULATIONS MINIMIZE THE ENERGETIC COST OF THEIR UPSTREA Fish. Soc. Symp. 1:556, 1987. Abstract only. FR 33(4)
 - [Dep. Biol., Univ. Laval, Queboc, PQ, Canada G1K 7P4] Oncorhyn
 - 88-003901 Berry, Charles R., Jr. EFFECTS OF COLD SHOCK ON CO
 - LARVAE. Southwest. Nat. 33(2):193-197, 1988. FR 33(4)
 - [Coop. Fish & Wildl. Res. Unit. S.D. State Univ., Brookings 57007 in Colorado.

 - 88-003902 Bianchini, L.; B. Fossat; J. Porthe-Nibelle; J. C. E EFFECTS OF HYPOSMOTIC SHOCK ON ION FLUXES IN ISOLATED TF
 - J. Exp. Biol. 137;303-318. 1988, FR 33(4) Lab. Physiol. Cellulaire ε Comparee ε UA CNRS 651, Fac. Sci., Pa
 - 88-003903 Binkowski, Fred P. and Sergel I. Doroshov. SPAWNI
- ANALYSIS OF REPRODUCTIVE CONDITIONS OF GULL ISLAND SHOW Assoc. Great Lakes Res. Conf. 30:A-5, 1987. Abstract only. FR 33(4)

D. Blochem, Physiol. A Comp. Physiol. 91(1):9-13, 1988, FR 33(4) inst. Michel Pacha, Lab. Maritime Physiol. 1337, Corniche Michel Pacha, F-83 ne Sur Mer, Francel 103905 Bowmaker, J. K.; H. J. A. Dartnall and P. J. Herring. LONGWAVE-SENS MAL PIGMENTS IN SOME DEEP-SEA FISHES: SEGREGATION OF 'PAIRED' RHODO O PORPHYROPSINS, J. Comp. Physiol. A Sens, Neural Behav, Physiol, 163(5):68 3. FR 33(4) School Blot. Sci., Queen Mary Coll., Univ. London, Mile End Rd., London E land) Aristostomius grimaldii, Malacosteus niger, and Pachystomias microdon.)03906 Bradley, James T. and John M. Grizzle. CHANNEL CATFISH VITELLOGEN . Acad. Sci. 59(3):106. 1988. Abstract only. FR 33(4) Dep. Zool. & Wildl. Sci., Auburn Univ., Auburn, AL 36849] Ictalurus punctatus, 303907 Bradley, Terence M. CHANGES IN HEPATIC MITOCHONDRIAL PROTEIN ELHEAD DURING THE PARR-SMOLT TRANSFORMATION, Am. Fish, Soc. Symp. . 1987. FR 33(4) Dep. Fish., Aquacult. & Pathol., Univ. R.I., Kingston (2881) Salmo galednert. 003908 Bratton, Bradford O. and Bernd Kramer. INTRASPECIFIC VARIABILI PULSE-TYPE DISCHARGES OF THE AFRICAN ELECTRIC FISHES, POLLIN DORI AND PETROCEPHALUS BOVEI (MORMYRIDAE, TELEOSTEI), AND PENDENCE ON WATER CONDUCTIVITY. Exp. Biol. (Berl.) 47(4):227-238. 1988. FF Kramer: Zool. Inst. Univ., D-8400 Regensburg, West Germany! 003909 Bromlay, P. J. GASTRIC DIGESTION AND EVACUATION IN WH RLANGIUS MERLANGUS (L.). J. Fish Biol. 33(2):331-338, 1988, FR 33(4) MAFF, Fish. Lab., Lowestoft, Suffolk NR33 OHT, England) 003910 Brook, A. J. and N. R. Bromage, PHOTOPERIOD: THE PRIN /IRONMENTAL CUE FOR REPRODUCTION IN THE DACE (LEUCISCUS LEUCISCU erdispl. Cycle Ros. 19(3):165-166, 1988, Abstract only, FR 33(4) Fish Cult., Aston Univ., Aston Triangle, Birmingham B4 7ET, England) 003911 Burger, C. V. THERMAL ADAPTATIONS IN ALASKAN CHINOOK AND SO MON. Am. Fish. Soc. Symp. 1:553, 1987. Abstract only, FR 33(4) U.S. Fish & Wildl. Serv., Natl. Fish. Res. Cent., 1011 E. Tudor Rd., Anchorac 03) Oncorhynchus nerka and O. tshawytscha. 03912 Byrne, Kyle Richard. AN ASSESSMENT OF LEUKOCYTE CLASSES IN ATL LMON, SALMO SALAR L. Ph.D. dissertation, Univ. Mass, 198p. 1987, From Diss. . B Sci. Eng. 49(3):661, 1988, FR 33(4) Cala, Plutarco. [HISTOMORPHOLOGICAL CHANGES IN THE TEST 003913 EMOPHILUS MUTISII DURING THE ANNUAL REPRODUCTIVE CYCLE IN THE BE

ER. COLOMBIA.] Caldasia 14(68-70):659-678. 1986. In Spanish with English sun

4)

203904 Boge, G.; L. Lopez and G. Peres. AN *IN VIVO* STUDY OF THE RO ORIC CAECA IN WATER ABSORPTION IN RAINBOW TROUT (SALMO CAIRD) 88-003914 Callard, Gloria V.; Jennifer L. Specker; Jonathan Knap and Howard A. Bern. AROMATASE IS CONCENTRATED IN THE PRO OF TILAPIA PITUITARY, Gen. Comp. Endocrinol, 71(1):70-79, 1988. (Dep. Biol., Boston Univ., 2 Cummington St., Boston, M mossambleus.

88-003915 Canario, A. V. M. and A. P. Scott. STRUCTURE-ACT OF C21 STEROIDS IN AN IN VITRO OCCYTE MATURATION B TROUT, SALMO CAIRDNERI, Gen. Comp., Endocrinol, 71(2):338-348

[MAFF, Dir. Fish. Res., Fish. Lab., Lowestoft, Suffolk NR33 OHT

88-003916 Cann-Moisan, C.; Ph. Sebert; J. Caroff and L. Ba HYDROSTATIC PRESSURE (HP = 101 ATA) ON NUCLEOT DINUCLEOTIDES TISSUE CONTENTS IN TROUT. Exp. Blot. (Be [Lab. Physiol., UA CNRS 648, Fac. Med., BP 815, F-29285 Bres

Carpenter Livermore, Rochelle and Jeffrey R. H. MICROSOMAL ACYL-CoA: LYSOPHOSPHATIDYLCHOLINE ACYLTRAI OF THERMALLY-ACCLIMATED RAINBOW TROUT, SALMO GAIRDNE

gairdneri.

Blochem, Syst. Environ. Physio. 158(3):363-368, 1988. FR 33(4) [Dep. Zool., Ariz. State Univ., Tempe 85287]

88-003918 Castro, Jose 1.; Patricia M. Bubucis and Neal REPRODUCTIVE BIOLOGY OF THE CHAIN DOGFISH SCYLIORH 1988(3):740-746, 1988, FR 33(4)

[Dep. Biol. Sci., Clemson Univ., Clemson, SC 29631]

88-003919 Chakraborti, P. K. and M. Weisbart, HIGH-AFFINITY ACTIVITY IN THE LIVER OF THE BROOK TROUT, SALVELINUS FO

Can. J. Zool, 65(10):2498-2503. 1987. In English with French summ. [Weisbart: Dep. Biol., St. Francis Xavier Univ., Antigonish, NS,

88-003920 Coates, D. LENGTH-DEPENDENT CHANGES IN EGG SI FEMALES, AND BROODED EMBRYO SIZE IN MALES, OF FO (PISCES: ARIIDAE) FROM THE SEPIK RIVER, PAPUA NEW IMPLICATIONS FOR STOCK ASSESSMENTS. J. Fish. Biol. 33(3):455 [FAO, c/o United Nations Dev. Programme, P.O. Box 1041, Po Guineal Arlus leptaspis, Brustiarius nox, and Hemipimelodus velutin

88-003921 Conlon, J. Michael and Lars Thim. ISOLATION DES[SER'PRO'] SCYLIORHININ II FROM THE INTESTINE OF

MARMORATA, Gen. Comp. Endocrinol. 71(3):383-388, 1988, FR 33(4) [Clinical Res. Group Gastrointestinal Endocrinol Max-Plai

88-003922 Conlon, J. Michael; P. C. Andrews; Sture Falkmer and AND STRUCTURAL CHARACTERIZATION OF INSULIN FROM THE CHIMAERA MONSTROSA (RABBIT FISH), Gen. Comp.

Gottingen, Gosslerstr. 10D, D-3400 Gottingen, West Germany)

-003923 Copeland, P. A. and P. Thomas. THE MEASUREMENT OF (TELLOGENIN LEVELS IN MARINE TELEOST, THE SPOTTED SEATROUT (CYM BULOSUS) BY HOMOLOGOUS RADIOIMMUNOASSAY, Comp. Blochem. Physiol. B ochem. 91(1):17-23, 1988. FR 33(4) Univ. Tex., Mar. Sci. Inst., Port Aransas 78373-12671 -CO3924 Cowey, C. B. and M. J. Walton, STUDIES ON THE UPTAKE OF (1*C) IDS DERIVED FROM BOTH DIETARY (1°C) PROTEIN AND DIETARY (1°C) AMINO RAINBOW TROUT, SALMO GAIRONERI RICHARDSON. J. Fish Biol. 33(2):293-309. 33(4) [NERC, Inst. Mar. Biochem., St. Fittick's Rd., Aberdeen A81 3RA, Scotland] -003925 Crespo, S.; F. Padros; R. Sala and M. J. Marlasca. GILL STRUCTU ILTURED *SALMO TRUTTA FARIO* RELATED TO SAMPLING TECHNIQUES. *Dis*. g. 4(3):219-221. 1988. FR 33(4) [Lab. Biol., Fac. Vet., U.A.B., Bellaterra, Barcelona, Spain] -003926 Crim, Laurence W.; John J. Nestor, Jr. and Connie E. Wilson. STUDIES (OLOGICAL ACTIVITY OF LHRH ANALOGS IN THE RAINBOW TROUT, LANDI LEMON, AND THE WINTER FLOUNDER. Gen. Comp. Endocrinol. 71(3):372-382. 19 (4) (Mar. Sci. Res. Lab., Memorial Univ. Newfoundland, St. John's, NF, Canada A imo gairdneri, Pseudopieuronectes americanus, and S. salar. -003927 Cui, Y. and R. J. Wootton. BIOENERGETICS OF GROWTH OF A CYI JOXINUS PHOXINUS: THE EFFECT OF RATION, TEMPERATURE AND BODY S OD CONSUMPTION, FAECAL PRODUCTION AND NITROGENOUS EXCRETION. ol. 33(3):431-443, 1988, FR 33(4)

Clinical Res. Group Gastrointestinal Endocrinol, Max-Planck-Gesellschaft,

-003922 CONTINUED Endocrinol. 72(1):154-160. 1988. FR 33(4)

ttingen, Gosslerstr. 100, D-3400 Gottingen, West Germany]

[Wootton: Dep. Zool., University Coll. Wales, Aberystwyth, Dyfed. Wales] -003928 Cunjak, Richard A.; R. Allen Curry and Geoffrey Power. SEASONAL 8 JOGET OF BROOK TROUT IN STREAMS: IMPLICATIONS OF A POSSIBLE DEFI RLY WINTER. Trans. Am. Fish. Soc. 116(6):817-828. 1987. FR 33(4) [Canada Dep. Fish. & Oceans, Sci. Branch Gulf Region, P.O. Box 5030, Moncto inada E1C 9BG) Solvelinus fontinolis in Canada.

-003929 Cyr, Daniel G. and J. G. Eales. INFLUENCE OF THYROIDAL STAT VARIAN FUNCTION IN RAINBOW TROUT, SALMO GAIRDNERI. J. Exp. Zool. 248

. 1988. FR 33(4)

[Dep. Zool., Univ. Manitoba, Winnipeg, MB, Canada R3T 2N2]

-003930 D'Avino, Rossana and Guido di Prisco. ANTARCTIC FISH HEMOGLOB

JTLINE OF THE MOLECULAR STRUCTURE AND OXYGEN BINDING PROPERTI

DLECULAR STRUCTURE. Comp. Blochem. Physiol. B Comp. Blochem. 90(3):579-58 33(4)

[Int. Inst. Genet. 6 Biophysics, C.N.R., Via Marconi 10, 80125 Naples, Italy]

oo-003931 Dabrowski, K.; S. Hintorleitner; C. Sturmbauer; N. E CARP LARVAE REQUIRE VITAMIN C? Aquaculture 72(3/4): 295-306. [Inst. Zool., Univ. Innsbruck, 6020-Innsbruck, Austria] Cyprine 88-003932 Date, Kaoru and Yoshikazu Yamamoto. [SEASONAL VAR NUTRITIVE COMPONENTS IN MEAT OF CULTURED QUINQUERADIATA.] Nippon Sulsan Gakkaishi 54(6):1041-1047. [Dep. Food Sci., Fac. Home Econ., Kobe Coll., Nishinomiya, Hyog 88-003933 de Leeuw, R.; C. Van't Veer; W. Smit-Van Dijk; H. J J. Van Cort. BINDING AFFINITY AND BIOLOGICAL ACTIVITY RELEASING HORMONE ANALOGS IN THE AFRICAN CATFISH, Aquaculture 71(1/2):119-131, 1988, FR 33(4)

[Dep. Exp. Zool., Res. Group Comp. Endocrinol., Univ. Utracht Utrecht, Netherlands] Decker, Eric A.; Marilyn C. Erickson and Herbert O. OXIDATIVE ACTIVITIES OF SARCOPLASMIC RETICULUM IN S

NORTHWEST ATLANTIC FISH, Comp. Blochem. Physiol. B Comp. Bl. [Univ. Mass, Mar. Stn., P.O. Box 7128, Lanesville Stn., Glouceste 88-003935 Degani, G. and M. L. Gallagher. EFFECTS OF

TREATMENTS IN REDUCING LARGE VARIANCES IN GROWTH RATE Am. Fish. Soc. Symp. 1:561. 1987. Abstract only. FR 33(4) [Galitee Technol. Cent., Israel] Anguilla rostrata. 88-003936 Detrich, H. William III and Susan A. Overton, ANTARC

HETEROGENEITY, STRUCTURE, AMINO ACID COMPOSITIONS A N. corliceps neglecta, and Chaenocephalus aceratus.

Blochem. Physiol. B Comp. Blochem. 90(3):593-600. 1988. FR 33(4) [Dep. Blochem., Univ. Miss. Med. Cent., Jackson 39216-4505] No.

88-003937 DeVries, Arthur L. THE ROLE OF ANTIFREEZE GREETING AVOIDANCE OF ANTARCTIC FISH Physiol, B Comp. Blochem. 90(3):611-621, 1988, FR 33(4)

[Dep. Physiol. & Biophysics, Univ. III., Urbana 61801] Pago Rhigophila dearborni, and Chaenocephalus aceratus.

88-003938 di Prisco, G.; B. Maresca and B. Tota, editors. M. ANTARCTIC ORGANISMS. PROCEEDINGS OF THE INTERNATIONAL C

MARINE BIOLOGY OF ANTARCTICA, RAVELLO, ITALY, Comp. Bloche Blochem, 90(3):459-637, 1988, FR 33(4)

[Int. Inst. Genet. & Biophysics, C.N.R., Via Marconi 10, 80125 Napl

88-003939 di Prisco, Guido; Bruno Giardina; Rossana D'Avino; Saver

Belielli and Maurizio Brunori. ANTARCTIC FISH HEMOGLOBIN: ANI MOLECULAR STRUCTURE AND OXYGEN BINDING PROPERTIES - II PROPERTIES. Comp. Blochem. Physiol. B Comp. Blochem. 90(3):585-59 [Int. Inst. Genet. & Biophysics, C.N.R. Naples Hally Med

```
hem. Physiol. B Comp. Blochem. 90(3):631-637, 1988, FR 33(4)
nt. Inst. Genet. & Biophysics, C.N.R., Via Marconl 10,
                                                          80125 Naples.
achaenichthys charcoti, Notothenia rossii, N. gibberifrons, and N. corliceps neglec
19394) Dickhoff, Walton W. and Craig V. Sullivan. INVOLVEMENT OF THE TH
ND IN SMOLTIFICATION, WITH SPECIAL REFERENCE TO METABOLIC
ELOPMENTAL PROCESSES. Am. Fish. Soc. Symp. 1:197-210, 1987, FR 33(4)
School Fish, WH-10, Univ. Wash., Seattle 98195)
03942 Diwan, A. D. and L. Krishnan. LEVELS OF CHOLESTEROL IN BLOOD S
GONADS IN RELATION TO MATURATION IN ETROPLUS SURATENSIS (BLOCH).
Ish. 33(2):241-245, 1986, FR 33(4)
Cent. Mar. Fish. Res. Inst., Cochin 682031, Indial
193943 Dores, Robert M. and Jean M. P. Joss. IMMUNOLOGICAL EVIDENCI
TIPLE FORMS OF a-MELANOTROPIN (a-MSH) IN THE PARIS INTERMEDIA OF
TRALIAN LUNGFISH, NEOCERATODUS FORSTERI. Gen. Comp. Endocrinol. 71(3
1988, FR 33(4)
Jniv. Denver, Dep. Biol. Sci., Denver, CO 802081
03944 Deledzic, William R. MATCHING OF CARDIAC OXYGEN DELIVERY AND
PLY TO ENERGY DEMAND IN TELEOSTS AND CEPHALOPODS. Can. J. Zool. GG(5)
. 1988. In English with French summ. FR 33(4)
Mol. Dep., Mt. Allison Univ., Sackville, NB, Canada EOA 3CO)
193945 Du Bois, M. Bailly; C. Milet; M. Garabedian; H. Guillozo; E. Martelly; E.
S. Balsan, CALCIUM-DEPENDENT METABOLISM OF 25-HYDROXYCHOLECALCIFER
VER EEL TISSUES. Gen. Comp. Endocrinol. 71(1):1-9. 1988. FR 33(4)
CNRS UA, 583, Hopital Enfants-Malados, 149 rue Sovres, 75015 Paris, Francel
23946 Dunbrack, Robert L. FEEDING OF JUVENILE COHO SALMON (ONCORHY)
VTCH): MAXIMUM APPETITE, SUSTAINED FEEDING RATE, APPETITE RETURN
oy SIZE, Can. J. Fish. Aquat. Sci. 45(7):1191-1196, 1988. In English with French.
33(4)
Dep. Fish. & Oceans, 716 Fraser St., Prince Rupert, BC, Canada V8J 1P91
03947 Dunn, J. F. LOW-TEMPERATURE ADAPTATION OF OXIDATIVE E
DUCTION IN COLD-WATER FISHES. Can. J. Zoof. 66(5):1098-1104. 1988. In 6
```

19394) - di Prisco, Guido. A STUDY OF HEMOGLOBIN IN ANTARCTIC FI REFICATION AND CHARACTERIZATION OF HEMOGLOBINS FROM FOUR SPECIES.

DOUGTION IN COLD-WATER FISHES. Can. J. Zoof. 66(5):1098-1104. 1988. In Enteroch summ. FR 33(4)
Dep. Biochem., Univ. Oxford, S. Parks Rd., Oxford (IX) 3QU, England)

003948 Dunn, J. F. MUSCLE METABOLISM IN ANTARCTIC FISH. Comp. Bi

003948 Dunn, J. F. MUSCLE METABOLISM IN ANTARCTIC FISH. *Comp. Biol. B Comp. Biochem.* 90(3):539-545. 1988. FR 33(4) Dop. Biochem., Univ. Oxford, S. Parks Rd., Oxford OX1 3QU, England] THE LIPID CONTENT AND FATTY ACID COMPOSITION OF VARIO FROM SOUTHERN AUSTRALIAN COASTAL WATERS. Comp. Blochen Biochem. 91(1):165-169. 1988. FR 33(4) [Sinclain: Opp. Appl. Biol., RMIT, G.P.O. Box 2476V, Melbourne, V 88-003950 Dutil, J.-D.; M. Besner and S. D. McCormick, OSN IONOREGULATORY CHANGES AND ASSOCIATED MORTALITIES DURIN OF MATURING AMERICAN EELS TO A MARINE ENVIRONMENT. A

1:175-190, 1987, FR 33(4)

88-CU3949 - Dunstan, Graeme A.; Andrew J. Sinclair; Kerin O'Dea an

[Minist. Peches & Oceans, C.P. 1000, 850, Rt. Mer Mont-Joli, Pi Anguilla rostrata. 88-003951 Dye, John. AN IN VITRO PHYSIOLOGICAL PREPARATION

COMMUNICATORY BEHAVIOR: CHIRPING IN THE WEAKLY APTERONOTUS, J. Comp. Physiol. A Sens. Neural. Behav. Physiol. FR 33(4) [Dep. Neurosci. & Neurobiol. Unit, Scripps Inst. Oceanogr., UCSE 920931 A. leptorhynchus.

88-003952 Eastman, Joseph T. LIPID STORAGE SYSTEMS AND TH NEUTRALLY BUOYANT ANTARCTIC NOTOTHENIOID FISHES. Comp. Comp. Blochem. 90(3):529-537. 1988. FR 33(4) [Dep. Zool, & Coll. Osteopathic Med., Ohio Univ., Athens 4570 antarcticum and Dissostichus mawsoni,

88-003953 Epifanio, Charles E.; David Goshorn and Timothy E. Tar SPAWNING IN THE WEAKFISH, CYNOSCION REGALIS. U.S. Noti. M Bull. 86(1):168-171, 1988, FR 33(4)

[Coll. Mar. Studies, Univ. Del., Lewes 19958]

88-003954 Evans, David H. and Kane J. More. MODES OF AMMONIA THE GILL EPITHELIUM OF THE DOGFISH PUP (SQUALUS ACANTA 138:375-397, 1988, FR 33(4)

[Dep. Zool., Univ. Fla., Gainesville 32611]

88-003955 Farrell, A. P.; J. A. Johansen and M. S. Graham. PERICARDIUM IN CARDIAC PERFORMANCE OF THE TROUT (SALMO Zoot, 61(3):213-221, 1988, FR 33(4) [Dep. Biol. Sci., Simon Fraser Univ., Burnaby, BC, Canada V5A 19

88-003956

Fida, Shahnaz; M. Yaseen Qadri and Magsood Sido ENVIRONMENTAL CONDITIONS ON THE OVARIAN CYCLE AND SE

CYPRINUS CARPIO IN THE DAL LAKE, KASHMIR (INDIA). Freshwa

1988, FR 33(4) [Siddigi: Dep. Biochem., Univ. Kashmir, Srinagar-190006, India]

88-003957 Fields, Robert; Shirley S. Lowe; Christine Kaminski; David P. Philipp. CRITICAL AND CHRONIC THERMAL MAXIMA

FLORIDA LARGEMOUTH BASS AND THEIR RECIPROCAL F, AND F2 Fish. Soc. 116(6):856-863, 1987, FR 33(4)

[13am Zool Misch State Hotel Bullions 00104] 445-1-1-1

) 1810SIS IN THE GUT OF TROPICAL HERBIVOROUS SURGEONFISH (ACANTHUR EOSTEI) FROM THE RED SEA. Science 229(4708):49-51. 1985, FR 33(4) Dep. Zool., Tel Aviv Univ., Ramat Aviv, Tel Aviv, Israell Acanthurus. 203960 Fitzsimons, John D. and V. Cairns. A COMPARISON OF LAKE T RODUCTIVE PHYSIOLOGY BETWEEN SELF-SUSTAINING AND INTROC ULATIONS, Int. Assoc. Great Lakes Res. Conf. 30:A-19, 1987, Abstract only, FR Great Lakes Lab. Fish. & Aquat. Sci., Burlington, ON, Canada L7R 4AG] Saly aycush. 103961 Fletcher, Garth L.; Ming H. Kao and J. Brian Dempson. LETHAL FRE PERATURES OF ARCTIC CHAR AND OTHER SALMONIDS IN THE PRESENCE OF aculture 71(4):369-378, 1988, FR 33(4) dar, Sci. Res. Lab., Memorial Univ. Newfoundland, St. John's, NF, Canada A10 relinus fontinalis, S. alpinus, Salmo salar, S. trutta, and S. gairdneri 103962 Fuchs, D. A. and C. Albers. EFFECT OF ADRENALINE AND BLOOD POITIONS ON RED CELL VOLUME AND INTRA-ERYTHROCYTIC ELECTROLYTES H RP. CYPRINUS CARPIO. J. Exp. Biol. 137:457-477. 1988. FR 33(4) Dep. Physiol., Univ. Regensburg, D-8400 Regensburg, West Germany) 203963 Fujiwara, Shunji and David G. Hankin. SEX RATIO, SPAWNING PERIOD E AND AGE AT MATURITY OF SABLEFISH *ANOPLOPOMA FIMBRIA* OFF NORT IFORNIA. Nippon Suisan Cakkaishi 54(8):1333-1338. 1988. In English with Jai m. FR 33(4) Ocean Res. Inst., Univ. Tokyo, Minamidai, Nakano, Tokyo 164, Japani 203964 Gee, John H. and Raymond A. Ratynski. BUOYANCY REGULATION D POXIC STRESS IN STICKLEBACKS (CULAFA INCONSTANS, PUNGITIUS PUNGI THE MINNOW (PIMEPHALES PROMELAS). Physiol. Zool. 61(4):301-311, 1988. FR Dep. Zool., Univ. Manitoba, Winnipeg, MB, Canada R3T 2N2) 103965 Gee, John H. PACIFIC BLUE-EYE *PSEUDOMUGIL SIGNIFER* KNER (PI ANOTAENHOAE) MAINTAINS BUOYANCY IN VARYING SALINITIES BY ALT

MBLADDER VOLUME, J. Exp. Mar. Blol, Ecol. 120(2):97-104, 1988. FR 33(4) Dep. Zool., Univ. Manitoba, Winnipeg, MB, Canada R3T 2N2] 003966 Gehrke, P. C. INFLUENCE OF GUT MORPHOLOGY, SENSORY CUES

NGER ON FEEDING BEHAVIOUR OF SPANGLED PERCH. LEIOPOTHERAPON UNIC INTHER, 1859), (PERCOIDEL, TERAPONIDAE). J. Fish. Biot. 33(2):189-201, 198 Inland Fish. Res. Stn., P.O. Box 182, Narrandera, NSW 2700, Australia)

1)

003967 Genicot, S.; G. Feller and Ch. Gerday. TRYPSIN FROM ANTARCTIC FRANOTOTHENIA MAGELLANICA FORSTER) AS COMPARED WITH TROUT (RDNERI) TRYPSIN, Comp. Blochem, Physiol, B Comp. Blochem, 90(3):601-609, 19. 4)

Lab. Biochim. Musculaire, Inst. Chim., B6. Sart Tilman, 4000 Liege, Belgium).

- MELATONIN SECRETION FROM SUPERFUSED TROUT (SALMO CAIRD)
 MAINTAINED UNDER DIEL ILLUMINATION OR CONTINUOUS DA
 Endocrinol, 71(1):163-174, 1988, FR 33(4)
- [Dep. Zool. & Physiol., Univ. Wyo., Laramie 82071]
- 88-003969 Greeley, M. S., Jr.; R. MacGregor III and K. R. Mar OVARY OF THE GULF FILLIFISH, FUNDULUS GRANDIS (BAIRD A SEASONAL AND SEMILUNAR SPAWNING CYCLES. J. Fish Biol. 33(4) [MacGregor: Environ. Sci. Dlv., Oak Ridge Natl. Lab., Oak Ridge
- 88-003970 Greeley, M. S., Jr.; R. MacGregor III and K. R. M PLASMA OESTROGENS AND ANDROGENS DURING THE SEASO SPAWNING CYCLES OF FEMALE GULF KILLIFISH, FUNDULUS C GIRARD). J. Fish. Biol. 33(3):419-429. 1988. FR 33(4) [Environ. Sci. Div., Oak Ridge North. Lab., Oak Ridge, TN 37831
- 88-003971 Grubinko, V. V.; B. V. Yakovenko and A. F. Ya STARVATION ON ARGINASE ACTIVITY AND UREA CONTENTS IN CARPIO, J. Ichthyol. (Engl. Transl. Vopr. Ikhtlol.) 27(6):107-110.
- 88-003972 Guderley, Helga and Pierre Blier. THERMAL ACCONSERVATIVE AND LABILE PROPERTIES OF SWIMMING MU 66(5):1105-1115. 1988. In English with French summ. FR 33(4) [Dep. Biol., Univ. Laval, Laval, PQ, Canada G1K 7P4]
- 88-003973 Gunawardana, Jagath. POISONING OF CYPRINIDAE FIS AREAS. Loris 18(1):18-21. 1988. FR 33(4) [15A. Stanley Tilakarathna Mawatha, Nugegoda, Sr. Lanka] To Borbus sgrang, B. dorsalis, and B. filamentosus in Sri Lanka.
 - 88-003974 Gunn, J. M.; D. L. G. Noakes and G. F. Westlake. BER OF LAKE CHARR (SALVELINUS NAMAYCUSH) EMBRYOS TO SIMUL CONDITIONS. Can. J. Zool. 65(11):2786-2792, 1987. In In English 33(4)
 - [Dep. Zool., Univ. Guelph, Guelph, ON, Canada N1G 2W1]
 - 88-003975 Hamoir, G. BIOCHEMICAL ADAPTATION OF THI CHANNICHTHYIDAE TO THEIR LACK IN HEMOGLOBIN AND MYOG Physiol. B Comp. Biochem. 90(3):557-559. 1989. FR 33(4) [Lab. Biochim. Musculaire, Inst. Chim., Univ. Liege, Sart Belgium] Notothenia magellanica, N. rossil, Champsocephalus rhinocerotus, and Chaenocephalus ageratus.
 - 88-003976 Hara, Kenji; Atsushi Suzumatsu and Tadashi Ishihar CHARACTERIZATION OF CATHEPSIN B FROM CARP ORDINARY Gokkoishi 54(7):1243-1252. 1988. FR 33(4)
 - (Fac. Fish., Nagasaki Univ., Bunkyo-Machi, Nagasaki 852, Japan

(03977 Hata, Masahiro; Yoshio Sato; Toshiyasu Yamaguchi; Masao Ito and Yutaka E CHEMICAL AND AMINO ACID COMPOSITIONS IN TISSUES OF CULTURED AND IO SALMON ONCORHYNCHUS KISUTCH.] Nippon Suisan Gakkaishi 54(8):1365 . In Japanese with English summ. FR 33(4) Dep. Fish., Fac. Agric., Tohoku Univ., Sendai 981, Japan I 03978 Haug, Tore; Einer Ringo and Gord Wibeche Pettorsen. TOTAL LIPID TY ACID COMPOSITION OF POLAR AND NEUTRAL LIPIDS IN DIFFERENT TISSUI ANTIC HALIBUT, HIPPOGLOSSUS HIPPOGLOSSUS (L.). Sarsia 73(2):163-168, 198 Dap. Mar. Biol., Tromso Mus., Univ. Tromso, P.O. Box 2550, N-9001 Tromso, Noiv 03979 He, P. and C. S. Wardle. ENDURANCE AT INTERMEDIATE SWIMMING ST ATLANTIC MACKEREL, SCOMBER SCOMBRUS L., HERRING, CLUPEA HARENGU SAITHE, POLLACHIUS VIRENS L. J. FISH Biol. 33(2):255-266. 1988. FR 33(4) handong Coll. Oceanogr., P.O. Box 90, Qingdao, China]

man, Jr. REPRODUCTIVE ECOLOGY OF THE AMERICAN EEL. Am. Fish. Soc. -56, 1987, FR 33(4) ool. Dep. & Inst. Ecol., Univ. Ga., Athens 30602] Anguilla rostrata. 03981 Henderson, M. A. and T. G. Northcote, RETINAL STRUCTURE OF SYMPA ALLOPATRIC POPULATIONS OF CUTTHROAT TROUT (SALMO CLARKI CLARKI LY VARDEN CHAR (SALVELINUS MALMA) IN RELATION TO THEIR SPI FRIBUTION. Can. J. Fish. Aquat, Sci. 45(7):1321-1326, 1988. In English with F

n. FR 33(4)

andl

nese with English summ. FR 33(4)

ac. Fish., Hokkaido Univ., Hokkaido, Japan I

03980 Holfman, Gene S.; Douglas E. Facoy; L. Stanton Hales, Jr. and Ea

Dep. Fish. & Oceans, Sci. Branch, 555 W. Hastings St., Vancouver, BC, Canada 03982 Honderson, P. A.; R. H. A. Holmes and R. N. Bamber. SIZE-SELEC RWINTERING MORTALITY IN THE SAND SMELT, ATHERINA BOYERI RISSO, ANI E IN POPULATION REGULATION. J. Fish Biol. 33(2):221-233. 1988. FR 33(4) lar. Biol. Unit, Cent. Electric. Generating Board, Fawley, Southampton SO4

03983 Hidalgo, F. and E. Alliot. INFLUENCE OF WATER TEMPERATURE ON PRO UIREMENT AND PROTEIN UTILIZATION IN JUVENILE SEA BASS, DICENTRAR RAX. Agugculture 72(1/2):115-129. 1988. FR 33(4) Dep. Anim. Biol., Fac. Sci., Univ. Granada, 18071 Granada, Spaini

03984 HIII, Kevin, AGE IN A NEW LIGHT: GERONTOLOGICAL STUDIES OF ISELFISH, DASCYLLUS ALBISELLA, Pac. Sci. 42(1-2):120-121, 1988, Abstract onl Dep. Zool., Univ. Hawaii, Honolulu]

103985 Hirai, Hisashi; Hiroshi Kawamura; Takayuki Izumi; Takeshi Miura; A

eki and Kohei Yamauchi. (SPERM MOTILITY OF THE JAPANESE HUCHEN, H RYI (BREVOORT)] Sci. Rep. Hokkaldo Fish Hatchery No. 42, p. 13-18, 198

- I TOUTION III NO. II. CHAMILLE AND LONG S CC LIMITA COLD ADAPTATION STRATEGIES, Comp. Blochem, Physiol, B Comp.
- 519, 1988, FR 33(4) [Dep. Zool., Univ. British Columbia, Vancouver, BC, Canada V6T 2
- Honda, Haruo, DISPLACEMENT BEHAVIOR OF JA PARALICHTHYS OLIVACEUS ESTIMATED BY THE DIFFERENCE OF OX RATE, Nippon Sulsun Gakkalshi 54(7):1259, 1988, FR 33(4)
- Abiko Res. Lab., Cent. Res. Inst. Electric Power Ind., Abiko, Chi
- 88-003988 Hoss, Donald E.; David S. Peters and William F. Hettler. WATER TEMPERATURE ON THE SURVIVAL AND BEHAVIOR OF JUVEN HAEMULON FLAVOLINEATUM, Bull, Mar. Sci. 39(1):134-138. 1986. FF

(NMFS, NOAA, Southeast Fish, Cent., Beaufort, NC 28516-9722)

- 88-003989 Houlihan, D. F.; C. Agnisola; A. R. Lyndon; C. Gray PROTEIN SYNTHESIS IN A FISH HEART: RESPONSES TO INCREASE Exp. Blot. 137:565-587. 1988. FR 33(4) [Dep. Zool., Univ. Aberdeen, Aberdeen A89 2TN, Scotland] Salmo of
- 88-003990 88-003990 Houlihan, D. F.; S. J. Hall; C. Gray and B. S. Noble. PROTEIN TURNOVER IN ATLANTIC COD, GADUS MORHUA. Can. 45(6):951-964. 1988. In English with French summ. FR 33(4) [Dep. Zool., Univ. Aberdeen, Aberdeen, Scotland]
- Houston, A. H. and J. D. Gray. RED CELL MAGNESIUM Can. J. Zool, 66(4):929-933, 1988. In English with French summ. FR 3 [Dep. Biol. Sci., Brock Univ., St. Catharines, ON, Canada L2S 3A1
- 88-003992 Houston, A. H.; A. Murad and J. D. Gray. INDUC GOLDFISH, CARASSIUS AURATUS L., BY IMMERSION IN HYDROCHLORIDE. Con. J. Zool. 66(3):729-736. 1988. In English w 33(4)
- [Dep. Biol. Sci., Brock Univ., St. Catharines, ON, Canada L2S 3A
- 88-003993 Hughes, G. M. and N. K. Al-Kadhomiy, CHANG RESPIRATORY SYSTEMS DURING THE DEVELOPMENT OF FISHES. U.K. 68(3): 489-498, 1988, FR 33(4)
- [Res. Unit Comp. Anim. Respiration, Univ. Bristol, Woodland F England)
- Hughes, G. M. and C. Albers. USE OF FILTRATION METI OF THE CONDITION OF FISH RED BLOOD CELLS. J. Exp. Biol.
- 33(4) [Res. Unit Comp. Anim. Respir., Bristol Univ., Bristol BS8 100 carpio.

RAMETERS OF THE KIDNEY IN THE EURYHALINE TELEOST OREOCH SSAMBICUS PETERS. J. Fish Biol. 33(1):89-95, 1988, FR 33(4) Inst. Zool., Acad. Sinica, Nankang, Taipei, Tauyan 11529]

003995 Hwang, P. P. and S. M. Wu. SALINITY EFFECTS ON CYTOMET

000000 Tancu, Carol A. and Stephen B. Brandt. BIOENERGETIC EVALUATION C DING STRATEGIES OF ADULT ALEWIFE IN SE LAKE ONTARIO. Int. Assoc. Great . Conf., 30: A-30, 1987. Abstract only. FR 33(4) SUNY-ESF, Illick Hall, Syracuse, NY 132101 Alosa pseudoharenous

003997 - Ichikawa, Tomoyuki; Isao Ishida; Shunji Ohsako and Takeo Deguchi. 7A BRIDIZATION DEMONSTRATING COEXPRESSION OF UROTENSINS L. II-a. AND I CAUDAL NEUROSECRETORY NEURONS OF THE CARP, CYPRINUS CARPIO np. Endocrinol. 71(3):493-501, 1988, FR 33(4)

Dep. Anat. & Embryol., Tokyo Metropolitan Inst. Neurosci., Fuchu, Tokyo 183, Ja 003998 Ishimatsu, Atsushi; George K. Iwama and Norbert Heisler. IN VIVO ANA PARTITIONING OF CARDIAC OUTPUT BETWEEN SYSTEMIC AND CENTRAL VI US CIRCUITS IN RAINBOW TROUT: A NEW APPROACH USING CHRONIC CANNUL THE BRANCHIAL VEIN. J. Exp. Blot. 137:75-88, 1988, FR 33(4)

Nomo Fish. Stn., Nagasaki Univ., Nomozaki, Nagasaki 851-05, Japan) *Salmo gairdn*i 003999 Ishloka, Hiroko; Yoshimi Hatakeyama and Selll Sakaquchl, THE HE LITY OF THE RED SEA BREAM PAGRUS MAJOR. Nippon Sulsan Gakkalshi 54(6):94 B. In English, FR 33(4) Nansei Regional Fish. Lab., Ohno, Saeki, Illroshima 739-04, Japan 1

004000 - Itoh, Hiromichi; Kunimasa Suzuki and Hiroshi Kawauchi. THE COMPLETE . D SEQUENCES OF B-SUBUNITS OF TWO DISTINCT CHUM SALMON GTHS. Gen. locrinol, 71(3):438-451, 1988, FR 33(4) Lab. Mol. Endocrinol., School Fish. Sci., Kitasato Univ., Sanriku, Iwate 022-01.

orhvachus keta. 004001 Ivankov, V. N. [METHOD OF DETERMINING FATNESS IN FISHES.] Mar. divostok 1988(1):59-60. 1988. In Russian with English summ. FR 33(4)

Dep. Hydrobiol. & Ichthyol., Far-East. Univ., Vladivostok 690000, USSR] 004002 - Iwama, G. K.; R. G. Boutilier; T. A. Heming; D. J. Randall and M. Ma

E EFFECTS OF ALTERING GILL WATER FLOW ON GAS TRANSFER IN RAINBOW T r. J. Zool. 65(10):2466-2470. 1987. In English with French summ. FR 33(4)

Biol. Dep., Dalhousie Univ., Halifax, NS, Canada B3H 4J1] Salmo galrdnert.

004003 Johnsen, P. B.; H. Zhou and M. A. Adams. OLFACTORY SENSITIVITY C RBIVOROUS GRASS CARP, CTENOPHARYNGODON IDELLA, TO AMINO ACIDS. J

r. 33(1):127-134. 1988. FR 33(4) U.S. Dep. Agric., Agric. Res. Serv., South. Regional Res. Cent., P.O. Box 1968 eans, LA 70179]

004004 Johnson, Scott W. and Jonathan Heifetz. QSMOREGULATORY ABILITY O HO SALMON (ONCORHYNCHUS KISUTCH) AND DOLLY VARDEN CHAR (SALVE

- Bay 99821]
- - 88-004005 Johnston, Ian A. and John D. Altringham. MUSCLE CC FISHES: EXPERIMENTS WITH DEMEMBRANATED MUSCLE FIBRES.
 - B Comp. Blochem. 90(3):547-555, 1988, FR 33(4) [Gatty Mar. Lab., Dep. Biol. & Preclinical Med., Univ. St. Andr
 - KY16 8LB, Scotland) Notothenia neglecta, N. rossil, Trei Chaenocepholus aceratus.
 - 88-004006 Johnston, L. R. and T. Wigham, THE INTRACELLA PROLACTIN CELL FUNCTION IN THE RAINBOW TROUT, SALMO C Endocrinol. 71(2):284-291, 1988, FR 33(4)
- [Wigham: Dep. Appl. Biol., UWIST, P.O. Box 13, Cardiff CF1 3XF 88-004007 Jordahl, David M. and Arnold Benson. EFFECT OF LOV
 - BROOK TROUT EMBRYOS AND YOLK-SAC LARVAE IN WEST VIRO Am. Fish. Soc. 116(6):807-816, 1987, FR 33(4) [Dep. Nat. Resour., Tidewater Admin., Tawes State Office Bldg. Salvelinus fontinalis.

Jurss, K.; R. Bastrop and Th. Vokler. EFFECTS OF SA

- DEFICIENCY IN RAINBOW TROUT (SALMO GAIRDNER! RICHARD Physiol. B Comp. Blochem, 90(4):891-895, 1988, FR 33(4) (Wilhelm-Pieck-Univ., Sekt. Blol., Wissenschaftsbereich Tierphys DDR 2500 Rostock 1. East Germanyl
- Kanamori, Akira and Yoshitaka Nagahama. DEVELOPME PROPERTIES OF GONADOTROPIN RECEPTORS IN THE OVARIAN SALMON (ONCORHYNCHUS RHODURUS) DURING OOGENESIS. O 72(1):25-38, 1988, FR 33(4) [Lab. Reprod. Biol., Natl. Inst. Basic Biol., Okazaki 444, Japan]
- 88-004010 Kanamori, Akira; Shinji Adachi and Yoshitaka Naga CHANGES IN STEROIDOGENIC RESPONSES OF OVARIAN FOLLICI (ONCORHYNCHUS RHODURUS) TO CHUM SALMON GONADOTROP
 - Gen. Comp. Endocrinol. 72(1):13-24, 1988, FR 33(4) [Lab. Reprod. Biol., Natl. Inst. Basic Biol., Okazaki 444, Japan]
 - Kanamori, Akira and Yoshitaka Nagahama. INVOLVE ADENOSINE MONOPHOSPHATE IN THE CONTROL OF FOLLICULA AMAGO SALMON (ONCORHYNCHUS RHODURUS). Gen. Comp. 1988, FR 33(4) [Lab. Reprod. Biol., Natl. Inst. Basic Biol., Okazaki 444, Japan]

88-004008

88-004009

- Karasov, William H. and Jared M. Diamond. INTERPLAY 88-004012 AND ECOLOGY IN DIGESTION. BioScience 38(9):602-611, 1988, FR [Dep. Wildl. Ecol., Univ. Wis., Madison 53706]
- 88-004013 Kaur, Kamaldeep: H. S. Toor and Surinder Vir SURVIVAL OF CYPRINUS CARPID LINN. EGGS AT DIFFERENT TI

004015 Kawamura, Gunzo; Chon Darusu and Tooru Yonemori. GROUP EFFEC MMING SPEED OF FISH. Nippon Sulsan Gakkalshi 54(6):1067, 1988. In English, FR Fac. Fish., Kagoshima Univ., Shimoarata, Kagoshima 890, Japan Mugil cee zias lotipes, and Tilapia nilotica. 204016 Kedney, G. I.; V. Boule and G. J. FitzGerald. THE REPRODUCTIVE ECC THREESPINE STICKLEBACKS BREEDING IN FRESH AND BRACKISH WATER. Am. . Symp. 1:151-161, 1987, FR 33(4) Dep. Biol., Univ. Laval, Sto. Foy, PQ, Canada G1K 7P4) Casterosteus aculeatus.

004014 Kawahara, Itsuro and Riichi Kusuda. [PROPERTIES OF LYSOZYME ACTIV CULTURED EEL.] Nippon Sulsan Cakkaishi 54(6):965-968. 1989. In Japanese with F

Fish Dis. Lab., Fac. Agric., Kochi Univ., Nankoku, Kochi 783, Japan A.

m. FR 33(4)

nica.

004017 Kelley, Kevin M.; Richard S. Nishioka and Howard A. Bern. NOVEL EFFE SOACTIVE INTESTINAL POLYPEPTIDE AND PEPTIDE HISTIDINE ISOLEL IBITION OF IN VITRO SECRETION OF PROLACTIN IN THE TILAPIA, OREOCH SSAMBICUS, Gen. Comp., Endocrinol, 72(1):97-106, 1988, FR 33(4) Dep. Zool. & Cancer Res. Lab., Univ. Calif., Berkeley 94720]

004018 Kent, Jeffrey; Michael Koban and C. Ladd Prossor. COLD-ACCLIMA UCED PROTEIN HYPERTROPHY IN CHANNEL CATFISH AND GREEN SUNFISH. J. rsiol, B Biochem, Syst. Environ, Physiol, 158(2):185-198, 1988, FR 33(4) Dep. Plant Biol., Univ. III., Urbana 61801] Ictalurus punctatus and Lepomis cyanei

004019 King, Joan C.; Stacia A. Sower and Edythe L. P. Anthony, NEUf TEMS IMMUNOREACTIVE WITH ANTISERUM TO LAMPREY GONADOTROPIN-RELE RMONE IN THE BRAIN OF PETROMYZON MARINUS. Cell Tissue Res. 253(1):1-8.

33(4) Dep. Anat. & Cellular Biol., Tufts Univ. School Med., 136 Harrison Ave., Bosto 111

004020 Kishida, Mitsuyo and Tetsuya Hirano, DEVELOPMENT OF RADIOIMMUNO, R EEL GROWTH HORMONE. Nippon Sulsan Gakkaishi 54(8):1321-1327. 1988. In E n Japanoso summ. FR 33(4) Ocean Ros. Inst., Univ. Tokyo, Nakano, Tokyo 164, Japan) Anguilla angullla.

004021 Kohno, Hiroshi; Shiro Hara; Marietta Duray and Amalia Gallego. TRANS

OM ENDOGENOUS TO EXOGENOUS NUTRITION SOURCES IN LARVAL RABBI ANUS CUTTATUS, Nippon Sulsan Gakkaishi 54(7):1083-1091 1988, FR 33(4)

Aquacult, Dep., SEAFDEC, P.O. Box 256, Hoilo City, Philippines]

004022 Korcock, D. E.; A. H. Houston and J. D. Gray, EFFECTS OF SAN NDITIONS ON SELECTED BLOOD VARIABLES OF RAINBOW TROUT, SALMO GAIR

CHARDSON. J. Fish Biol. 33(2):319-330, 1988, FR 33(4)

Houston: Dep. Biol. Sci., Brock Univ., St. Catharines, ON, Canada L2S 3A11

- EFFECT OF THE NUMBERS AND LEVELS OF PITUITARY INJECTIONS STRIPPING. Pr. Vodnany No. 16, p. 53-61, 1987, In English with Czec [Vyzkumny ustav rybarsky & hydrobiol., 389 25 Vodnany, Czechoslo
- 88-004024 Kralem, M. M. and E. Pattee. SALINITY TOLERANCI BARBUS CALLENSIS VALENCIENNES, 1842 (PISCES, CYPRINIDAE) A SIGNIFICANCE. Hydrobiologia 166(3):263-267. 1988. FR 33(4)
- (Lab. Ecol. Anim., Fac. Sci. Tunis, Campus Universitaire, 1060 Tun
- Kramer, B. and B. Otto. FEMALE DISCHARGES ARE N 88-004025 SPONTANEOUS PREFERENCE IN THE ELECTRIC FISH, EIGENMANNI
- TELEOSTEI). Behav. Ecol. Sociobiol. 23(1):55-60. 1988. FR 33(4) [Zool, Inst. Univ., Universitatistr. 31, D-8400 Regensburg, West Go
- 88-004026 Kreider, Margaret S.; Andrew Winokur; Scott Manaker; All Fishman. CHARACTERIZATION OF THYROTROPIN-RELEASING CENTRAL NERVOUS SYSTEM OF AFRICAN LUNGFISH. Gen. Comp. 6 122. 1988. FR 33(4)
 - [Dep. Psychiatry, Univ. Pa., Philadelphia 19104] Protopterus annect
- Lafeber, F. P. J. G. and S. F. Perry. EXPERIMEN" 88-004027 INDUCES HYPOCALCIN RELEASE AND INHIBITS BRANCHIAL FRESHWATER TROUT, Gen. Comp. Endocrinol, 72(1):136-143, 1988. F [Dep. Anim. Physiol., Univ. Nijmagen, Toernoojveid 25, 6525 ED N Salmo gairdineri.
- 88-004028 Laidley, C. W. and J. F. Leatherland. COHORT SAMPLING STOCKING-DENSITY EFFECTS ON PLASMA CORTISOL, THYROID HO AND ION LEVELS IN RAINBOW TROUT, SALMO GAIRDNERI RICHA 33(1):73-88. 1988. FR 33(4)
- [Dep. Zool., Group Advancement Fish Studies, Univ. Guelph, Gue 2W11
- Le Guellec, Katherine; Kenneth Lawless; Yves Valotain Martin Tenniswood. VITELLOGENIN GENE EXPRESSION IN MALE RAI GAIRDNERI), Gen. Comp. Endocrinol, 71(3):359-371, 1988, FR 33(4) [Lab. Biol. Mol., L'Univ. Rennes 1, Campus Beautieu, Rennes Cede
- Leatherland, John F. and R. A. Sonstegard, COMPARAT EGG SURVIVAL IN TWO STOCKS OF GOITRED COHO SALMON (ONC WALBAUM) FROM LAKE ERIE, Can. J. Zool. 65(11):2780-2785, 1987. summ, FR 33(4)
 - [Dep. Zool., Univ. Guelph, Guelph, ON, Canada N1G 2W1]
- Levanduski, Michael Joseph. IN VITRO FERTILIZATION 88-004031 (SALMO GAIRONERI) OOCYTES: THE EFFECT OF IMMOTILE SPERM O MOTILE SPERM. M.S. Thesis, Univ. Idaho 31p. 1987, FR 33(4)

04032 Levels, Paul J. and J. Manuel Denuce. INTRINSIC VARIABILITY I QUENCY OF EMBRYONIC DIAPAUSES OF THE ANNUAL FISH NOTHOBRAN RTHAUSAE, REGULATED BY LIGHT: DARK CYCLE AND TEMPERATURE. Environ nes 22(3):211-223, 1988, FR 33(4) Dep. Zool., Catholic Univ., Toernooiveld, 6525 ED Nilmegen, Netherlands l 234033 Lipke, David William, CHARACTERIZATION OF ELEMENTS OF THE KALLII IN SYSTEM IN RAINBOW TROUT (SALMO CAIRDNERI). Ph.D. dissertation, Univ. e 192p. 1988, From Diss. Abstr. Int. B Sci. Eng. 49(2):325, 1988, FR 33(4) 04034 Lowery, Mary Suc. THE EFFECTS OF STARVATION ON PROTEIN SYN O NUCLEIC ACID METABOLISM IN THE MUSCLE OF THE BARRED SAND 1987, (Son Diego) 1975, 1987 (ALABRAX NEBULIFER, Ph.D. dissertation, Univ. Calif. (Son Diego) Abstr. Int. B Sci. Eng. 49(2):289-290, 1988. FR 33(4). 04035 Lutnesky, Marvin. SEXUAL DIMORPHISM, DICHROMATISM. TOGYNOUS HERMAPHRODITISM IN THE POMACANTHID ANGELFISH. CENTR TERI, Pac. Sci. 42(1-2):126, 1988. Abstract only. FR 33(4) Dep. Zool., Univ. Hawaii, Honolulul 104036 Macdonald, J. A.; J. C. Montgomery and R. M. G. Wells. THE PHYSIOLO IURDO SOUND FISHES: CURRENT NEW ZEALAND RESEARCH, Comp. Blochem, P omp. Blochem. 90(3):567-578, 1988, FR 33(4) Dep. Zool., Univ. Auckland, Auckland, New Zealand 004037 Macdonald, J. Stevenson; Colin D. Levings; Carey D. McAllister; U. erlund and J. R. McBride. A FIELD EXPERIMENT TO TEST THE IMPORTAN UARIES FOR CHINOOK SALMON (ONCORHYNCHUS TSHAWYTSCHA) SUR RT-TERM RESULTS. Can. J. Fish. Aquat. Sci. 45(8):1366-1377. 1988. In Englis nch summ, FR 33(4) Dep. Fish. & Oceans, Biol. Sci. Branch, 4160 Marine Dr., West Vancouver, BC, 1NG 04038 Machado, C. R.; M. A. R. Garofalo; J. E. S. Roselino; I. C. Kettelhut Migliorini. EFFECTS OF STARVATION, REFEEDING, AND INSULIN ON ENERGY-L ABOLIC PROCESSES IN CATFISH (*RHAMDIA HILARII*) ADAPTED RBOHYDRATE-RICH DIET. Gen. Comp. Endocrinol. 71(3):429-437. 1988. FR 33(4) Dep. Morphol. & Physiol., UNESP School Vot. Med., Jaboticabal, SP, CP 14870 Bra 004039 MacLatchy, Deborah L. and J. G. Eales. SHORT-TERM TREATMENT TOSTERONE INCREASES PLASMA 3,5,3'-TRILODO-L-THYRONINE AND HEPA ROXINE 5'-MONODEIDDINASE LEVELS IN ARCTIC CHARR, SALVELINUS AL . Comp. Endocrinol. 71(1):10-16, 1988, FR 33(4) Dep. Zool., Univ. Manitoba, Winnipeg, MB, Canada R3T 2N21 204040 Maresca, B.; E. Patriarca; C. Goldenberg and M. Sacco. HEAT SHOC

D ADAPTATION IN ANTARCTIC FISHES: A MOLECULAR APPROACH. Comp. B.

Int. Inst. Genet. & Biophysics, C.N.R., Via Marconi, 10, 80125 Naples,

stot. B Comp. Blochem. 90(3):623-629. 1988. FR 33(4)

athenia bernacchi, Notothenia rossil, and Chionodraco kathleene.

- SECKELLOIS BY THE BEOOD, 173113 DYKWIEK OF BROOK 66(7):1603-1609, 1988. In English with French summ. FR 33(4) [Dep. Biol., St. Francis Xavier Univ., Antigonish, NS, Canad
- fontinoils.
- Martin, Linda K. and Gregor M. Cailliet. ASPECT OF THE BAT RAY, MYLIOBATIS CALIFORNICA, IN CENTRAL
- 1988(3):754-762, 1988, FR 33(4) [Monterey Bay Aquarium, 886 Cannery Row, Monterey, CA 93940]
- 88-004044 Martinez S., Gustavo A. and Roger E. Murillo S. [LA CICHLASOMA NIGROFASCIATUM (GUNTHER), 1868 (PISCES-LABORATORY.] Rev. Biol. Trop. 35(1):113-119. 1987. In Spanish
- 33(4) (Fund. Neetrop., Apdo. 236-1002, San Jose, Costa Rica)
- Marttila, O. Niina T. and Mikko Nikinmaa. BINDI ANTAGONISTS 3H-DHA AND 3H-CGP 12177 TO INTACT RAI GAIRDNERI) AND CARP (CYPRINUS CARPIO) RED BLOOD CELLS. 70(3):429-435, 1988, FR 33(4)

[Div. Physiol., Dep. Zool., Univ. Helsinki, Arkadiankatu 7, SF-0

- 88-004046 Maurice, Keith R.; Robert W. Blye; Paul L. Har INCREASED SPAWNING BY AMERICAN SHAD COINCIDENT WITH OXYGEN IN THE TIDAL DELAWARE RIVER, Am. Fish. Soc. Symp. [RMC-Environ. Serv., Fricks Lock Rd., Rural Delivery 1, Pot
- 88-004047 McCleave, James D.; Robert C. Kleckner an REPRODUCTIVE SYMPATRY OF AMERICAN AND EUROPEAN EELS

sapidissima.

- MIGRATION AND TAXONOMY. Am. Fish. Soc. Symp. 1:286-297. 198 [Dep. Zool, & Migratory Fish Res. Inst., Univ. Maine, Orono 044 A. rostrata.
 - McCormick, Stephen D. and Richard L. Sai PHYSIOLOGICAL ADAPTATIONS FOR MARINE LIFE OF SALMONI GROWTH, AND METABOLISM. Am. Fish. Soc. Symp. 1:211-229, 198 [Dep. Zool., Univ. Calif., Berkeley 94720] Salmo salar, S. pair spp.
 - 88-004049 McEnroe, Maryann and Joseph J. Cech. Jr. OSMO STURGEON: LIFE HISTORY ASPECTS. Am. Fish. Soc. Symp. 1:191 [Dep. Wildl. & Fish. Biol., Univ. Calif., Davis 95616] Acipenser
 - Middaugh, Douglas P.; Michael J. Hemmer and Dan ECOLOGY OF THE PACIFIC SURF SMELT, HYPOMESUS PRETIOSUS Pac. Sci. 41(1-4):44-53. 1987. FR 33(4)
 - [U.S. Environ. Protection Agency, Gulf Breeze Environ. Res. Breeze, FL 325611

omp. Blochem, 90(4):721-729, 1988, FR 33(4) pp. Biol. Sci., Univ. South Miss., S.S. Box 5153, Hattiesburg 39406] MugH cep. nnus albacares, Euthynnus alletteratus, Archosargus probatocephalus, Pogonias c oscion orenarius, and Paralichthys lethostiqua. 04052 - Miyajima, K.; A. Yasuda; P. Swanson; H. Kawauchi; H. Cook; T. Kanek Peter; R. Suzuki; S. Hasegawa and T. Hirano. ISOLATION AND CHARACTERIZA CARP PROLACTIN, Gen. Comp. Endocrinol, 70(3):407-417, 1988, FR 33(4) (awauch): Lab. Mol. Endocrinol., School Fish. Sci., Sanriku, Iwate 022-01, J rinus carpio. 34053 Moon, T. W.; P. J. Walsh; S. F. Perry and T. P. Mommsen, EFFECTS (D BETA-ADRENOCEPTOR BLOCKADE ON HEPATIC CARBOHYDRATE METABOLIS NBOW TROUT. J. Exp. Zool. 248(1):88-93. 1988. FR 33(4) Dep. Biol., Univ. Ottawa, Ottawa, ON, Canada KIN 6N5) 34054 Mor. Anat and Ramy R. Avtalion, EVIDENCE OF TRANSFER OF IMMUNITY HER TO EGGS IN TILAPIAS. Bumldgeh 40(1):22-28. 198B. FR 33(4) ab. Fish Immunol. & Genet., Dop. Life Sci., Bar-Han Univ., Ramat-Gan 52100, Isr 04055 Morin, Pierre-Philippe; Julian J. Dodson and François Y. Dore. HEART DITIONING TO L-CYSTEINE AND OTHER CHEMICAL STIMULI IN YOUNG ATLA MON (SALMO SALAR), Can, J. Zool, G5(11):2710-2714, 1987, In English with F n. FR 33(4) Pep. Biol., Fac. Sci., Univ. Laval, Saint-Foy, PQ, Canada G1K 7P41 04056 Morozov, N. P.; A. P. Selyutin; M. S. Dobrusin and S. A. Petu ROBLEMENTAL COMPOSITION OF LIPID AND FAT-FREE FRACTIONS OF THE TIS THE SCAD, TRACHURUS TRACHURUS, FROM THE NORTHEASTERN ATLANTI hyol, (Engl. Transl. Vopr. Ikhtlol.) 27(6):149-152. 1987. FR 33(4) II-Union Sci.-Res. Inst. Mar. Fish. & Oceanogr. -- VNIRO, Moscow, USSR] 84057 Moser, Mary Lynn. EFFECTS OF SALINITY FLUCTUATION ON JUV UARINE FISH. Ph.D. dissertation, N.C. State Univ. 156p. 1987. From Diss. Abstr ci. Eng. 49(2):298-299, 1988, FR 33(4) elostomus xanthurus and Micropagonias undulatus. 104058 Mosilla, Oliva I. I. W. and J. R. Mainoya. REPRODUCTIVE BIOLOGY OF T AFRICAN LUNGFISH (PROTOPTERUS AETHIOPICUS) IN MWANZA GULF, TORIA. Afr. 1. Ecol. 26(2):149-162. 1988. In English with French summ. FR 33(4)

ish. Res. Inst., Mwanza Res. Cent., P.O. Box 475, Mwanza, Tanzania)

an J. Fish. 33(3):262-269, 1986, FR 33(4)

cent. Inland Fish. Res. Inst., Barrackpore 743101, Indial

04059 Mukhopadhyay, P. K.; B. Venkatesh and P. Das. GROWTH AND CHEMICAL CHANGES IN *CLARIAS BATRACHUS* DUE TO METHYL TESTOSTEI

0-1051 - Middlebrooks, B. L.; Nancy J. Brown-Peterson; Paul M. Toom and Willa glas. Evaluation of specific binding Affinity and Biochemical Propei FISH EYF-LENS REAGENTS FROM SEVEN TELEOST SPECIES. *Comp., Biochem. Ph*

FISHERIES REVIEW

PHYSIOLOGY (CONTINUED)

88-004060

- Munekiyo, Masahiro and Akihiko Kuwahara. [MATUR RIBBON FISH IN THE WESTERN WAKASA BAY.] NIppon Suisan G 1988, In Japanese with English summ. FR 33(4) IKyoto Inst. Oceanic & Fish. Sci., Miyazu, Kyoto 626, Japan
- Japan .
- Murray, C. B. and T. D. Beacham. THE DEVE (ONCORHYNCHUS TSHAWYTSCHA) AND CHUM SALMON (ON EMBRYOS AND ALEVINS UNDER VARYING TEMPERATURE RE 65(11):2672-2681, 1987, to English with French summ. FR 33(4) (Dep. Fish. & Oceans, Pac. Biol Stn., Nanaimo, BC, Canada V91
- Murray, C. B. and J. D. McPhail. EFFECT OF INCUBA THE DEVELOPMENT OF FIVE SPECIES OF PACIFIC SALMON LONG AND ALEVINS. Con. J. Zool. 66(1):266-273. 1988. In English with 1 [Dep. Fish. & Oceans, Pac. Biol. Stn., Nanaimo, BC, Canada V9 keto, O. klsutch, O. nerko, and O. tshowytscho in Canada.
- 88-004063 Nagler, James J.; Sylvia M. Ruby; David R. Idler a PHOSPHOPROTEIN PHOSPHORUS AND CALCIUM LEVELS AS REPR OF VITELLOGENIN IN HIGHLY VITELLOGENIC MATURE FEM INJECTED IMMATURE RAINBOW TROUT (SALMO GAIRDNERI). Co 2425, 1987. In English with French summ. FR 33(4) (Idler: Mar. Sci. Res. Lab., Memorial Univ. Newfoundland, St. 5571
- 88-004064 Nakagawa, Takayuki; Shugo Watabe and Kanehisa Hashi OF THREE MAJOR COMPONENTS IN FISH SARCOPLASMIC PRO Gakkaishi 54(6):999-1004. 1988. In English. FR 33(4)
- [Tokyo Univ. Fish., Konan, Minato, Tokyo 108, Japan] Pagrus and Scomber Japonicus.
- 88-004065 Nakagawa, Takayuki: Shugo Watabe and ELECTROPHORETIC ANALYSIS OF SARCOPLASMIC PROTEINS A POLYACRYLAMIDE GELS. Nippon Sulsan Cakkaishi 54(6):993-998 33(4)
 - [Tokyo Univ. Fish., Konan, Mlnato, Tokyo 108, Japan]
- Nakanishi, Yuki. C-REACTIVE PROTEIN AND HOST DI RAINBOW TROUT. Jpn. J. Vet. Res. 36(2):164, 1988. Abstract only
- 88-004067 Nakano, Hiroshi; Soichiro Shirahata; Kazuo Yabe; Ya Ito. CHANGES IN GUANINE AND HYPOXANTHINE CONTENTS O DEVELOPMENT OF CHUM SALMON ONCHORHYNCHUS KETA. N 54(7):1253, 1988, FR 33(4) (Tokai Raningal Eich Das Lab Warner

[Dep. Epizootiol., Fac. Vet. Med., Hokkaido Univ., Sapporo 060,

an] 094070 Orcian, R. D.; D. Mysling and G. Leonard, TIME OF MIGRATION AND GF TWO INTRODUCED STRAINS OF ATLANTIC SALMON IN A SOUTHERN NEW ENG REAM. Am. Fish, Soc. Symp. 1:560, 1987, Abstract only, FR 33(4) Dep. Environ, Prot., Bur. Fish., West. Dist. Headquarters, Harwinton, CT 067911 r. 004071 Oshima, Noriko; Mihoko Suzuki; Nanako Yamaji and Ryozo Fujii, PK SREGATION IS TRIGGERED BY AN INCREASE IN FREE CALCIUM IONS WITHIN ROMATOPHORES. Comp. Bluchem. Physiol. A Comp. Physiol. 91(1):27-32. 198 4) Dep. Biol., Fac. Sci., Toho Univ., Miyama, Funabashi, Chiba 274, Japan] Xipho, ulatus. 004072 Ott, Janet F. and Christopher Platt. POSTURAL CHANGES OCCURRING D E MONTH OF VESTIBULAR COMPENSATION IN GOLDFISH. J. Exp. Biol. 138:39 8. FR 33(4) Lab I, Evergreen State Coll., Olympia, WA 98505) Carassius auratus. 004073 Ott, Janet F. and Christopher Platt. EARLY ABRUPT RECOVERY FROM A RING VESTIBULAR COMPENSATION IN GOLDFISH. J. Exp. Biol. 138:345-357. 19 41 Lab I. Evergreen State Coll., Olympia, WA 98505] Carassius auratus. 004074 Parkinson, Eric A. and Kanji Tsumura. GROWTH AND SURVIVAL OF HOR ERILIZED COHO (*ONCORHYNCHUS KISUTCH*) AND KOKANEE SALMON (*O. NERKA* CUSTRINE ENVIRONMENT. Can. J. Fish. Aquat. Sci. 45(8):1490-1494, 1988. In E h French summ. FR 33(4) Minist, Environ, & Parks, Recreational Fish, Branch, 2204 Main Mall, Univ. umbia, Vancouver, BC, Canada V6T 1W5) 004075 - Pasmanik, Metsada; Barnoy A. Schlinger and Gloria V. Callard. IN EROID REGULATION OF AROMATASE AND Sc-REDUCTASE IN GOLDFISH BRAII UITARY, Gen. Comp. Endocrinol, 71(1):175-182, 1988, FR 33(4) Callard: Dep. Biol., Boston Univ., 2 Cummington St., Boston, MA 02215] Ca atus. 00:1076 Pasmanik, Metsada. AROMATIZATION AND 5α-REDUCTION IN GOI 4RASSIUS AURATUS) BRAIN AND PITUITARY: ROLE IN MEDIATING AND TIONS, Ph.D. dissertation, Boston Univ. 1986. FR 33(4) 004077 Paul, A. J.; J. M. Paul and R. L. Smith. RESPIRATORY E DUIREMENTS OF THE COD GADUS MACROCEPHALUS TILESIUS RELATIVE TO

E, FOOD INTAKE, AND TEMPERATURE, J. Exp. Mar. Biol. Ecol. 122(1):83-89, 19

004069 Ogata, H. and T. Murai, CHANGES IN AMMONIA AND AMINO ACID LEVI E ERYTHROCYTES AND PLASMA OF CARP, *CYPRINUS CARPIO*, DURING PA

Natl, Res. Inst. Aquacult: Inland Stn., Fish Nutr. Div., Hiruta, Tamaki, Mie S

ROUGH THE GILLS. J. Fish. Biol. 33(3):471-479, 1988. FR 33(4)

- [Int. Cent. Living Aquat. Resour. Manage., MC P.O. Box 150 Philippines]
 - 88-004079 Penaz, Milan; Jana Parova; Evzen Wohlgemuth; Oldri MORTALITY, GROWTH AND BODY COMPOSITION OF ELVERS, A DIFFERENT DIETS. Folia Zool. 37(1): 67-81, 1988. In English with [Inst. Syst. & Ecol. Biol., Czech. Acad. Sci., Brno, Czechoslova
 - 88-004080 Perez Martinez, Armando; Roberto Duarte Escobar; Gajdusek. REPRODUCTIVE BIOLOGY OF CICHLASOMA TETRACA Ustavu Cesk. Akad. Ved Brne 22(2):36p. 1988. In English with Ru [Inst. Ecol. & Syst., Calle 19, No. 17, AU9 Rpto, Atabey, Playa,
 - 88-004081 Phieger, Charles F. THE IMPORTANCE OF SKULL RESERVE DURING STARVATION IN THE OCEAN SURGEON, A Comp. Biochem. Physiol. A Comp. Physiol. 91(1):97-100. 1988. FR (Dep. Nat. Sci., San Diego State Univ., San Diego, CA 92182)
 - 88-004082 Plisotskaya, Erika M.; Penny Swanson; Melinda G. Dickhoff, INSULIN IN COHO SALMON (ONCORHYNCHUS KISUTCH SMOLT TRANSFORMATION. Aquaculture 72(1/2):151-164, 1988, FR [Dep. Zool., NJ-15, Univ. Wash., Seattle 98195]
 - 88-004083 Prokes, Mirostav and Marta Horakova, SEASONAL GI ROACH (RUTILUS RUTILUS) IN THE MUSOV RESERVOIR, Follo Z English with Russian summ. FR 33(4)
 - [Inst. Syst. & Ecol. Biol., Czech. Acad. Sci., Brno, Czechoslov
 - 88-004084 Rahamimoff, Rami; Susan A. DeRiemer; Bert Sakmann; Yakir. ION CHANNELS IN SYNAPTIC VESICLES FROM TORPEDO Nutl. Acad. Sci. USA 85(14):5310-5314. 1988. FR 33(4) [Dep. Physiol., Hebrew Univ.-Hadassah Med. School, Jerumarmorata.
 - 88-004085 Randall, C. J.; N. R. Bromage and J. Duston. TH PERIODS OF CONTINUOUS LIGHT ON REPRODUCTION IN THE GAIRDNER!). J. Interdispl. Cycle Res. 19(3):202-203. 1988. Abst [Fish Cult., Aston Univ., Aston Triangle, Birmingham B4 7ET,
 - 88-004096 Reinboth, Rudolf. PHYSIOLOGICAL PROBLEMS OF T Environ. Biol. Fishes 22(4):249-259. 1988. FR 33(4)
 - [Inst. Zool., Univ. Mainz, Saarstr. 21, D-6500 Mainz, West Gerr
 - 88-004087 Reshkin, Stephan J. INTESTINAL BASOLATER, TRANSPORT OF AMINO ACIDS IN THE EEL, ANGUILLA ANGUIL 130, 1988, Abstract only, FR 33(4)
 - [Dep. Zool., Univ. Hawaii, Honolulu]

104089 Robinson, S. M. C. and D. M. Ware, ONTOGENETIC DEVELOPMEN WITH RATES IN LARVAL PACIFIC HERRING, CLUPEA HARENGUS PALLASI, MEAS H RNA-DNA RATIOS IN THE STRAIT OF GEORGIA, BRITISH COLUMBIA. Can. J at. Sci. 45(8):1422-1429, 1988. In English with French summ. FR 33(4) ep. Zool./Oceanogr., Univ. British Columbia, 6270 University Blvd., Vancouver ada V6T 1W51 Rogers, S. I. REPRODUCTIVE EFFORT AND EFFICIENCY IN THE FI 004090 AMON GOBY, *Pomatoschistus microps* (Kroyer) (teleostei: gobioide Blot. 33(11:109-119, 1988, FR 33(4) AAFF, Benarth Rd., Conwy, Gwynedd LL32 8UB, Wales L 04091 Rombough, Peter J. GROWTH, AEROBIC METABOLISM, AND DISSO GEN REQUIREMENTS OF EMBRYOS AND ALEVINS OF STEELHEAD. SALMO GAIRE . J. Zool. 66(3):651-660, 1988. In English with French summ. FR 33(4) Cool. Dep., Brandon Univ., Brandon, MB, Canada R7A 6A91 04092 Saglio, Ph. and B. Fauconneau. FREE AMINO ACID CONTENT IN THE CUS OF YELLOW AND SILVER EEL, ANGUILLA ANGUILLA L. Comp. Blochem. Phys p. Physiol. 91(1):101-104, 1988, FR 33(4) NRA, Unite d'Ecol. Poissons, Stn. d'Hydrobiol., BP 3, Saint-Pee-sur-Nivelle. AIN, Francol Sakal, Norlyoshi; Takashi Iwamatsu; Kohel Yamauchi; Norio Suzuki 004093 hitaka Nagahama, INFLUENCE OF FOLLICULAR DEVELOPMENT ON ST DUCTION IN THE MEDAKA (ORYZIAS LATIPES) OVARIAN FOLLICLE IN RESPON GENOUS SUBSTRATES. Gen. Comp. Endocrinol. 71(3):516-523, 1988. FR 33(4) ab. Reprod. Biol., Natl. Inst. Basic Biol., Okazaki 444, Japan 194094 Sasaki, Kazuyuki; Hisashi Kurokura and Shoqoro Kasahara. CHANGES II IPERATURE TOLERANCE OF THE EGGS OF CERTAIN MARINE FISH DURING EMBR ELOPMENT, Comp. Blochem, Physiol, A Comp. Physiol, 91(1):183-187, 1988, FR 3 ac. Appl. Biol. Sci., Hiroshima Univ., 2-17 Midorimach, Fukuyama 720, Japan) / or, Paralichthys olivaceus, and Hallchoeres poecilopterus. 204095 Sauer, Jodyne and John P. Harrington, HEMOGLOBINS OF THE SO MON, ONCORHYNCHUS NERKA, Comp. Blochem, Physiol, A Comp. Physiol, 91(1 1988. FR 33(4) Harrington: Dep. Chem., Univ. Alaska, Anchorage 99508] 004096 Scherer, E. and S. E. Harrison, EXOGENOUS CONTROL OF DIEL LOCON

CIVITY IN THE WHITEFISH COREGONUS CLUPEAFORMIS: EFFECTS OF LIGHT

Dep. Fish. & Oceans, Central & Arctic Region, Freshwater Inst., Winnipeg, MB, C

MPERATURE. Oecologia (Berl.) 76(2):254-260. 1988. FR 33(4)

ATHING FISHES. Can. J. Zool. 66(1): 182-190. 1988. In English with French sur

1)

2N61

Dep. Zool., Univ. Mass., Amherst 01003]

- 88-004098 Schulz, Rudiger and Volker Blum, TESTOSTERONE RAINBOW TROUT (SALMO GAIRDNERI RICHARDSON) TESTIS. 72(1):80-89, 1988, FR 33(4)
- Ruhr-Univ. Bochum, Fak. Biol., ND 5/27, Arbeitsgruppe V Universitatistr. 150, D-4630 Bochum 1, West Germany)
- 88-004099 Schwarz, F. J. and M. Kirchgessner, AMINO ACID
- (CYPRINUS CARPIO L.) WITH VARYING PROTEIN AND ENERGY 72(3/4):307-317, 1988, FR 33(4)
- [Inst. Ernahrungsphysiol. Tech. Univ. Munich, D-8050 Frei-Germany
- 88-004100 Seelbach, Paul W. EFFECT OF WINTER SEVERITY ON : IN MICHIGAN: AN EXAMPLE OF THE IMPORTANCE OF ENVIR DETERMINING SMOLT YIELD. Am. Fish. Soc. Symp. 1:441-450. 19 [Mich. Dep. Nat. Resour., Inst. Fish. Res., Ann Arbor /
- 88-004101 Shand, Julia: J. C. Partridge; S. N. Archer; G. W. SPECTRAL ABSORBANCE CHANGES IN THE VIOLET/BLUE SE JUVENILE POLLACK, POLLACHIUS POLLACHIUS, J. Comp. Physic Physiol. 163(5):699-703, 1988, FR 33(4)

Michigan.

- [Dep. Zool., Univ. Bristol, Bristol BS8 IUG, England]
- 88-004102 Shatunovskiy, M. I. and A. D. Gershanovich. S PHYSIOLOGY AND BIOCHEMISTRY OF FISHES IN THE USSR. J. Vapr. Ikhtlol.) 27(6):80-84, 1987, FR 33(4)
- 88 004 103 Sheridan, Mark A. LIPID DYNAMICS IN FISH: AS TRANSPORTATION, DEPOSITION AND MOBILIZATION. Comp. B Biochem. 90(4):679-690, 1988, FR 33(4) [Dep. Zool., N.D. State Univ., Fargo 58105]
- 88-004104 Shumway, Caroly A. and Randy D. Zelick. SEX RECO CODING OF ELECTRIC ORGAN DISCHARGE WAVEFORM IN T ELECTRIC FISH, HYPOPOMUS OCCIDENTALIS. J. Comp. Physio Physiol. 163(4):465-478, 1988, FR 33(4) [Zelick: Dep. Biol., Portland State Univ., P.O. Box 751, Portla
- 88-004105 Singh, Hanuman; Robert W. Griffith; Akiyoshi Tak Peter Thomas and John J. Stegeman. REGULATION OF GONAL FUNDULUS HETEROCLITUS BY RECOMBINANT SALMON GROWTH SALMON PROLACTIN. Gen. Comp. Endocrinol. 72(1):144-153. 198 [Dep. Biol., Woods Hale Oceanogr. Inst., Woods Hole, MA 02543
 - 88-004106 Sivakami, S.; S. Ayyappan; M. F. Rahman and B. COMPOSITION OF CYPRINUS CARPIO (LINNAEUS) CULTURED I MATURITY Indian J. Fish. 33(2):180-187, 1986, FR 33(4) [CMFR Inst., Cochin 682031, India]

Singer Care, Treat J. Continue of SHES. Can. J. 2001. 66(1):144-151. 1988. In English with French summ. FR 33(4) [Dep. Biol., Univ. Tex., Arlington 76019] +004108 Smith, R. L.; A. J. Paul and J. M. Paul, ASPECTS OF ENERGETICS O ALLEYE POLLOCK, THERAGRA CHALCOGRAMMA (PALLAS), FROM ALASKA. [Inst. Mar. Sci., Univ. Alaska, Fairbanks 99775-0280] -004109 Snelson, Franklin F., Jr.; Shorry E. Williams-Hooper and Thomas H. EPRODUCTION AND ECOLOGY OF THE ATLANTIC STINGRAY. DASYATIS SAE ORIDA COASTAL LAGOONS. Copela 1938(3):729-739. 1988. FR 33(4) [Dep. Biol. Sci., Univ. Cent. Fla., Orlando 32816] -004110 Sorokin, M. A.; S. V. Donskoj and A. N. Lebedeva, [SOUND PERCEI ERRING.) Mar. Biol. Viadivostok 1988(2):34-40. 1988. In Russian with English s (4)(Lab. Bioacoustical Res., Pac. Res. Inst. Fish. & Oceanogr., Vladivostok 690600 upea harengus pallasi, Sardinops sagax melanosticta, and Ciupanodon punctatus. -004111 Soulier, P.; M. Peyraud-Waitzenegger; C. Peyraud and L. Bartho TUDY OF BAROSENSITIVITY IN THE EUROPEAN EEL (ANGUILLA ANGUILLE FECTS OF ARTERIAL PRESSURE CHANGES ON HEART RATE AND VENTILATIO ol. (Berl.) 47(4):243-250. 1988. FR 33(4) [UA CNRS 648, Physiol. Polsson, Univ. Bretagne Occidentale, F-29287 Bres ancel -004112 - Soyano, Kiyoshi, Hideaki Yamada; Miyuki Tatono; Noboru Kasahara a amauchi. [EFFECTS OF ORALLY ADMINISTERED THYROID POWDER ON SE DAPTABILITY IN HATCHERY-REARED UNDERYEARLING MASU ONCORHYNCHUS MASOU) SMOLTS.1 Bull. Fac. Fish. Hokkaldo Univ. 39(2):86-Japanese with English summ, FR 33(4) [Lab. Fresh-Water Fish-Cult., Fac. Fish., Hokkaido Univ., Hakodate 041, Japan] -004113 Specker, Jennifer L.; David L. Berlinsky: Harold D. Bibb and John F. DOYTE DEVELOPMENT IN STRIPED BASS: FACTORS INFLUENCING ESTIMATES F MATURITY. Am. Fish, Soc. Symp. 1:162-174, 1987. FR 33(4) [Dep. Zool., Univ. R.I., Kingston (12881) Morane saxatilis in Rhoda Isl ssachusetts. i-004114 Spry, Douglas John, ZINC UPTAKE IN THE RAINBOW TROUT, *AIRDNERI* (RICHARDSON), AS AFFECTED BY DIETARY AND WATERBORNE ZII ATERBORNE CALCIUM, Ph.D. dissertation, McMaster Univ. (Canado) 1987. Fi ostr. Int. B Sci. Eng. 49(2):332, 1988, FR 33(4) -004115 Stanton, Frank G. RESPONSE TO SUPPLEMENTAL FEEDING BY REEDING WILD POPULATION OF MADMAD, ABUDEFDUF ABDOMINALIS DMACENTRIDAE). Poc. Sci. 42(1-2):133. 1988. Abstract only. FR 33(4) [Dep. Zool., Univ. Hawaii, Honolulu] -0041)6 Steele, P. O. and A. M. Steele, INTERMEDIATE SALINITIES ST ROWTH IN A WILD POPULATION OF ANADROMOUS BROOK TROUT, Am. Fish, Sc

יטידיטי

- 88-004117 Steele, P. O. and A. M. Steele. BLOOD COAGULATION ADAPTED ANADROMOUS BROOK TROUT. Am. Fish. Soc. Sympology, FR 33(4) [Dep. Zool., Univ. West. Ontario, London, ON, Canada NGA 587 Canada.
- 88-004118 Sugita, Haruo; Chihiro Miyajima; Jun-ichiro Iwata; S Kubo; Shin Igarashi and Yoshiaki Deguchi, INTESTINAL MICRI COASTAL FISHES. *Nippon Sulsan Cakkalshi* 54(5):875-882. 1988, In [Dep. Fish., Nihon Univ., Shimouma 3, Setagaya, Tokyo 154, Jap. *Japonica, Ditrema temmincki, Conger japonicus, Girelia punctata*,
- 88-004119 Sunder, Shyam. ON THE BREEDING BIOLOGY C SCHIZOTHORAX LONGIPINNIS, FROM THE RIVER JHELUM, KAS 33(2):201-210. 1986. FR 33(4) [Srinagar Res. Cent. CIFRI, Harvan 191123, Kashmir, India]
- 88-004120 Suzuki, Kunimasa; Hiroshi Kawauchi and Yoshitaka Naga. CHARACTERIZATION OF TWO DISTINCT GONADOTROPINS FOR PITUITARY GLANDS. Gen. Comp. Endocrinol. 71(2):292-301. 1988. For page 14 [Lab. Molecular Endocrinol. School Fish. Sci., Kitasato Univ., Spann] Oncorhynchus keta.
- 88-004121 Suzuki, Kunimasa; Hiroshi Kawauchi and Yoshitaka Nagal CHARACTERIZATION OF SUBUNITS FROM TWO DISTINCT SALMO Gen. Comp. Endocrinol., 71(2):302-306, 1988, FR 33(4) [Lab. Molacular Endocrinol., School Fish. Sci., Kitasato Univ., S
- 88-004122 Suzuki, Kunimasa; Yoshitaka Nagahama and Hiroshi Kawau ACTIVITIES OF TWO DISTINCT SALMON GONADOTROPINS. Gen 71(3):452-458, 1988. FR 33(4) [Lab. Mol. Endocrinol., School Fish. Sci., Kitasato Univ., Sanriku, Oncorhynchus rhodurus.

RYUGA, ACIPENSER STELLATUS, SPAWNERS FROM DIFFERENT PERIODS OF WNING MIGRATION: J. Ichthyol. (Engl. Transl. Vopr. Ikhtiol.) 27(6):12-21. 198 nst. Evol. Morphol. & Anim. Ecol.-IEMEZH, Acad. Sci. USSR, Moscow, USSR) 104126 - Tagliafierro, Grazia; Elisabetta Bonini; Gabriella Faraldi; Luisolla Farin eppe G. Rossi. DISTRIBUTION AND ONTOGENY OF VIP-LIKE IMMUNOREACTIVI GASTRO-ENTERO-PANCREATIC SYSTEM OF A CARTILAGINOUS FISH SCYLIORI LLARIS. Cell Tissue Res. 253(1):23-28, 1988, FR 33(4) nst. Anat. Comp., Univ. Genova, Via Balbi 5, 1-16126 Genova, Italy) 04127 Tanasomwang, Varin and Kiyokuni Muroga. INTESTINAL MICROFLOR/ VAL AND JUVENILE STAGES IN JAPANESE FLOUNDER (*PARALICHTHYS OLIVAC*) Pathol. 23(2):77-83. 1988. In English. FR 33(4) ac. Appl. Biol. Sci., Hiroshima Univ., Higashi-Hiroshima 724, Japan] 04128 Thompson, Stewart A.; Kazuo Tachibana; Koji Nakanishi and Ichiro Ku ITTIN-LIKE PEPTIDES FROM THE SHARK-REPELLING DEFENSE SECRETION OF E PARDACHIRUS PAVONINUS. Science 233(4761):341-343. 1986. FR 33(4) untory Inst. Bioorganic Res., Shimamoto-Cho, Mishima-Gun, Osaka 618, Japan] 04129 Thrush, M. A. and N. R. Bromage, PHOTOPERIODIC EFFECTS LTIFICATION IN ATLANTIC SALMON (SALMO SALAR). J. Interdispi, Cycle):213, 1988. Abstract only, FR 33(4) ish Cult., Aston Univ., Birmingham B4 7ET, England] 04130 Timola, Osmo and Hannu Luotonen. AGE DISTRIBUTION AND GROWTH OF RHORN SCULPIN MYOXOCEPHALUS QUADRICORNIS, IN THE NE BOTHNIÂN BAY ARCHIPELAGO SEA. Bothnian Bay Rep. 4:25-32. 1986. FR 33(4) 'erameri Res. Stn., Univ. Oulu, SF-90570 Oulu, Finland) 04131 Titus, Eric. SHORT-CHAIN FATTY ACID TRANSPORT IN INTESTINAL. B DER MEMBRANE VESICLES OF THE AFRICAN TILAPIA OREOCHROMIS MOSSAMBI Sci. 42(1-2):134-135, 1988, Abstract only, FR 33(4) Dep. Zool., Univ. Hawaii, Honolulul 04132 Torres, J. J. and G. N. Somero, VERTICAL DISTRIBUTION AND METABO ANTARCTIC MESOPELAGIC FISHES. Comp. Blochem. Physiol. B Comp. Blochem. 1:521-528, 1988, FR 33(4) Dep. Mar. Sci., Univ. S. Fla., 140 7th Ave. S., St. Petersburg 33701] 04133 Treasurer, J. W. MEASUREMENT OF REGURGITATION IN FEEDING STUDIE DATORY FISHES. J. Fish Blot. 33(2):267-271. 1988, FR 33(4) Pep. Zool., Univ. Abendeen, Tillydrone Ave., Abendeen AB9 2TN, Scotlandl Esox I Perca fluviotilis. 04134 Trinkaus, J. P. DIRECTIONAL CELL MOVEMENT DURING EARLY DEVELOPE THE TELEOST BLENNIUS PHOLIS: II. TRANSFORMATION OF THE CELLS "HELIAL CLUSTERS INTO DENDRITIC MELANOCYTES, THEIR DISSOCIATION H OTHER, AND THEIR MIGRATION TO AND INVASION OF THE PECTORAL FIN B

- [Dep. 2001., Univ. West. Ontario, London, UN, Canada NDA 587] S Canada.
 - 88-004117 Steele, P. O. and A. M. Steele, BLOOD COAGULATION IS ADAPTED ANADROMOUS BROOK TROUT, Am. Fish. Soc. Symp.
 - only. FR 33(4) [Dep. Zool., Univ. West. Ontario, London, ON, Canada NGA 5B7]

Canada.

and Ostracion cubicus.

- 88-004118 Sugita, Haruo; Chiliro Miyajima; Jun-ichiro Iwata; Shi Kubo; Shin Igarashi and Yoshiaki Deguchi. INTESTINAL MICROI COASTAL FISHES. NIppon Sulsan Gakkalshi 54(5):875-882. 1988. In E [Dep. Fish., Nihon Univ., Shimouma 3, Setagaya, Tokyo 154, Japar Joponica, Ditrema temmincki, Conger Japonicus, Girella punctata, P.
- 88-004119 Sunder, Shyam. ON THE BREEDING BIOLOGY OF SCHIZOTHORAX LONGIPINNIS, FROM THE RIVER JHELUM, KASH 33(2):201-210. 1986. FR 33(4)
- 88-004120 Suzuki, Kunimasa; Hiroshi Kawauchi and Yoshitaka Nagah CHARACTERIZATION OF TWO DISTINCT GONADOTROPINS F

[Srinagar Res. Cent. CIFRI, Harvan 191123, Kashmir, India]

- PITUITARY GLANDS, Cen. Comp. Endocrinol, 71(2):292-301, 1988, FI [Lab. Molecular Endocrinol, School Fish, Sci., Kitasato Univ., S Japan] Oncorhynchus keta.
- 88-004121 Suzuki, Kunimasa; Hiroshi Kawauchl and Yoshitaka Nagal CHARACTERIZATION OF SUBUNITS FROM TWO DISTINCT SALM Gen. Comp. Endocrinol. 71(2):302-306. 1988. FR 33(4) [Lab. Molecular Endocrinol., School Fish. Sci., Kitasato Univ., Sapan Oncorhynchus keta.
- ACTIVITIES OF TWO DISTINCT SALMON GONADOTROPINS. Ge 71(3):452-458, 1988. FR 33(4) [Lab. Mol. Endocrinol., School Fish. Sci., Kitasato Univ., Sanriku

88-004122 Suzuki, Kunimasa; Yoshitaka Nagahama and Hiroshi Kawa

- Chab. Moi. Engocrinol., School Fish. Sci., Kitasato Univ., Sanrik Oncorhynchus rhodurus.
- 88-004123 Suzuki, Kunimasa; Akira Kanamori; Yoshitaka Nagahama DEVELOPMENT OF SALMON GTH I AND GTH II RADIOIMMUNO. Endocrinol. 71(3):459-467. 1988. FR 33(4)
- [Lab. Mol. Endocrinol., School Fish. Sci., Kitasato Univ., Sanriki Salmo gairdneri, Oncorhynchus rhodurus, and O. keta.
- 88-004124 Suzuki, Yuzuru. ISOLATION OF HEAVY BASOPHILS BLOOD BY PERCOLL DENSITY GRADIENT CENTRIFUGATION. NI. 54(7):1257. 1988. FR 33(4)
 - (7):1257. 1988. FR 33(4) [Lab. Fish Physiol., Fac. Agric., Univ. Tokyo, Bunkyo, Tokyo 1):

RYUGA, ACIPENSER STELLATUS, SPAWNERS FROM DIFFERENT PERIODS C WINING MIGRATION. J. Ichthyol. (Engl. Transl. Vopr. Ikhtlol.) 27(6):12-21. 19 Inst. Evol. Morphol. & Anim. Ecol. IEMEZH, Acad. Sci. USSR, Moscow, USSR] 104126 — Tagliafierro, Grazia; Elisabetta Bonini; Gabriella Faraldi; Luisella Fari seppe G. Rossi DISTRIBUTION AND ONTOGENY OF VIP-LIKE IMMUNOREACTIV GASTRO-ENTERO-PANCREATIC SYSTEM OF A CARTILAGINOUS FISH SCYLIOF LLARIS. Cell Tissue Res. 253(1):23-28, 1988, FR 33(4) Inst. Anat. Comp., Univ. Genova, Via Balbi 5, 1-16126 Genova, Italy) 294127 Tanasomwang, Varin and Kiyokuni Muroga. INTESTINAL MICROFLOI RVAL AND JUVENILE STAGES IN JAPANESE FLOUNDER (PARALICHTHYS OLIVA Pathol. 23(2):77-83, 1988. In English, FR 33(4) Fac. Appl. Biol. Scl., Hiroshima Univ., Higashi-Hiroshima 724, Japan) 004128 Thompson, Stewart A.; Kazuo Tachibana; Koji Nakanishi and Ichiro F ITTIN-LIKE PEPTIDES FROM THE SHARK-REPELLING DEFENSE SECRETION OF E PARDACHIRUS PAVONINUS. Science 233(4761):341-343. 1986. FR 33(4) Suntory Inst. Bioorganic Res., Shimamoto-Cho, Mishima-Gun, Osaka 618, Japan 1 04129 Thrush, M. A. and N. R. Bromage. PHOTOPERIODIC EFFECT DETIFICATION IN ATLANTIC SALMON (SALMO SALAR), J. Interdispl. Cycl 3):213. 1988. Abstract only. FR 33(4) Fish Cult., Aston Univ., Birmingham B4 7ET, England) 004130 Timola, Osmo and Hannu Luotonen. AGE DISTRIBUTION AND GROWTH C PRHORN SCULPIN MYOXOCEPHALUS QUADRICORNIS, IN THE NE BOTHNIAN BA ARCHIPELAGO SEA. Bothnian Boy Rep. 4:25-32, 1986, FR 33(4) Perameri Res. Stn., Univ. Oulu, SF-90570 Oulu, Finland] 104131 Titus, Eric. SHORT-CHAIN FATTY ACID TRANSPORT IN INTESTINAL. RDER MEMBRANE VESICLES OF THE AFRICAN TILAPIA OREOCHROMIS MOSSAMI . Sci. 42(1-2):134-135, 1988, Abstract only, FR 33(4) Dep. Zool., Univ. Hawaii, Honolulu) 004132 Torres, J. J. and G. N. Somero. VERTICAL DISTRIBUTION AND METAE ANTARCTIC MESOPELAGIC FISHES. Comp. Blochem. Physiol. B Comp. Bi 3):521-528. 1988. FR 33(4) Dep. Mar. Sci., Univ. S. Fla., 140 7th Ave. S., St. Petersburg 337011 004133 Treasurer, J. W. MEASUREMENT OF REGURGITATION IN FEEDING STUD DATORY FISHES. J. Fish Blot. 33(2):267-271. 1988. FR 33(4) Dep. Zool., Univ. Aberdeen, Tillydrone Ave., Aberdeen AB9 2TN, Scotland) Esox Perca fluviatilis.

Trinkaus, J. P. DIRECTIONAL CELL MOVEMENT DURING EARLY DEVELO TELEOST BLENNIUS PHOLIS: II. TRANSFORMATION OF THE CEL

304125 Sytina, L. A. and V. G. Shagaeva, THERMOTOLERANCE OF PROGE

11

004134

THE

Tsuchimoto, Mutsuyosi; Noriaki Tanaka; Tosio Misima; Senta and Masato Yasuda. THE INFLUENCE OF HABITAT WATER

AMPHIPNOUS CUCHIA (HAM.), Indian, J. Anim, Sci. 58(5), 623-625. [c/o Shri T.N.M. Tripathi Q. No. 439/B, Type 3, DLW Railway Co

RELATIVE THERMOSTABILITY OF MYOFIBRILLAR Ca2 -ATPase IN THE WATERS FROM TROPICAL TO FRIGID ZONES. Nippon Sulsan

1988. In English, FR 33(4) ILab. Fish. Nutr. Sci., Fac. Fish., Nagasaki Univ., Nagasaki 852

88-004137 Tytler, P. and J. H. S. Blaxter. THE EFFECTS OF E THE DRINKING RATES OF THE LARVAE OF HERRING, PLAICE A

138:1-15. 1988. FR 33(4) [Dep. Biol. Sci., Univ. Stirling, Stirling FK9 4LA, Scotland] (morhua, and Pleuronectes platessa.

88-004138 Van Asselt, L. A. C.; H. J. Th. Goos; W. Smit-Van D and P. G. W. J. Van Oordt. EVIDENCE FOR THE INVOLVEMENT OF DOPAMINERGIC INHIBITION OF GONADOTROPIN RELEASE IN T CLARIAS GARIEPINUS. Aquaculture 72(3/4):369-378, 1988. FR 33(4 Dep. Exp. Zool., Res. Group Comp. Endocrinol., Univ. Utrech Utrecht, Netherlands

88-004139 Villarreal, C. A.; J. E. Thorpe and M. S. Miles. INFLU ON GROWTH CHANGES IN JUVENILE ATLANTIC SALMON, SALMO 33(1):15-30. 1988. FR 33(4) [Escuela Biol., Univ. Panama, Panama City, Panama]

88-004140 Viola, Shlomoh; Yeruham Ariell and Shoshanah Mokad TERM FEEDING OF FISH OIL COATED PELLETS ON TILAPIA AND FAT COMPOSITION AND TOLERANCE TO COLD. Bomldgeh 40(2):64

[Kfar Masaryk, D.N. Ashrat 25208, Israel] Oreochromis auri Cyprinus sp.

88-004141 Virtanen, Erkki; Annika Salama and Bjorn-Erik Lonn CAPACITY OF IONIC AND OSMOTIC REGULATION IN YOUNG B. SALAR L.) IN BRACKISH WATER. Comp. Blochem. Physiol. A Col 1988. FR 33(4)

(Finnish Game & Fish. Res. Inst. & Div. Physiol., Inst. Arkadiankatu 7, SF-00100 Helsinki, Finland)

6):680-683. 1988, FR 33(4)

88-004142 Vitvitskaya, L. V.; L. S. Bikbulatova; S. I. Nikonorov Pol'gin; V. N. Nezavibat'ko; L. A. Alfeeva and L. A. An SYNTHETIC NEUROPEPTIDES ON THE BEHAVIOR AND RNA SYNT

STARRED STURGEON FRY. Dokl. Biol. Sci. (Engl. Tronsl. Dokl. A

[Zool, Inst. Acad. Sci. USSR, Leningrad, USSR]

88-004143 Viok, W. and J. H. J. Van Vuren. PHYSICAL COMPOS

BARBUS AENEUS, THE SMALLMOUTH YELLOWFISH (CYPRINE Physiol. A Comp. Physiol. 90(3):387-389. 1988. FR 33(4)

```
104145 Wales, N. A. M. HORMONE STUDIES IN MYXINE GLUTINOSA: FAILUI
CITONIN TO INFLUENCE URINE FLOW OR PLASMA AND URINE ELECTRO
ANCE, Gen. Comp. Endocrinol. 71(1):80-84, 1988, FR 33(4)
Dep. Biol. Sci., Sheffield City Polytech., Pond St., Sheffield S1 1W8, England)
04146 Wallace, Jeff C.; Arne Kolbolnshavn and Dagfinn Aasjord. OBSERVATIO
EFFECT OF LIGHT INTENSITY ON THE GROWTH OF ARCTIC CHARR FINGER
LVELINUS ALPINUS) AND SALMON FRY (SALMO SALAR). Aquoculture 72(1/2):
. FR 33(4)
July, Tromso, Blamannsvík Ros. Str., N-9105 Eidkjösen, Tromso, Norwayl
104147 Ward, B. R. and P. A. Slaney. LIFE HISTORY AND SMOLT-TO-A
VIVAL OF KEOGH RIVER STEELHEAD TROUT (SALMO GAIRDNERI) AND
ATIONSHIP TO SMOLT SIZE. Can. J. Fish. Aguat. Sci. 45(7):1110-1122. 191
lish with French summ. FR 33(4)
Mnist, Environ, & Parks, Recreational Fish, Branch, Res. & Dev. Sect., 2204 Main
v. British Columbia, Vancouver, BC, Canada VGT 1W5]
04148 Warlen, Stanley M. AGE AND GROWTH OF LARVAL GULF MENH
VOORTIA PATRONUS, IN THE NORTHERN GULF OF MEXICO. U.S. Noti. Mor.
v. Fish. Bull. 86(1):77-90. 1988. FR 33(4)
Southeast Fish, Cent., NMFS, NOAA, Beaufort, NC 28516-97221
04149 Waterstrat, P. R.; A. J. Ainsworth and G. Capley. USE OF A DISCONTING OF CHANNEL CATE
ALURUS PUNCTATUS (RAFINESQUE), PERIPHERAL BLOOD LEUCOCYTES. J. FIS
i):289-294. 1988. FR 33(4)
Ainsworth: Coll. Vet. Med., Drawer V, Miss. State Univ., Mississippi State 39726]
104150 Webb, Paul W. 'STEADY' SWIMMING KINEMATICS OF TIGER MUSK'
CIFORM ACCELERATOR, AND RAINBOW TROUT, A GENERALIST CRUISER. J.
. 138:51-69. 1988. FR 33(4)
Dep. Biol. & School Nat. Resour., Univ. Mich., Ann Arbor 48109] Esox mesquinon
us, and Salmo gairdneri.
004151 Wieser, W.; H. Forstner; F. Schiemer and W. Mark. GROWTH RATES
OWTH EFFICIENCIES IN LARVAE AND JUVENILES OF RUTILUS RUTILUS AND C
RINID SPECIES: EFFECTS OF TEMPERATURE AND FOOD IN THE LABORATORY A
FIELD. Can. J. Fish. Aquat. Sci., 45(6):943-950. 1988. In English with French
33(4)
Inst. Zool., Univ. Innsbruck, Technikerstr. 25, A-6020 Innsbruck, Austria] Leu
halus and Alburnus alburnus in Europe.
04152 Wissmar, Robert C. and Charles A. Simenstad. ENERGETIC CONSTRAIN
'ENILE CHUM SÁLMON (ONCORHYNCHUS KETA) MIGRATING IN ESTUARIES. C
1. Aquat. Sci. 45(9):1555-1560, 1988. In English with French summ. FR 33(4)
```

magnat, the south thinters of balances on concentrations of TISOL IN MIGRATING SMOLTS OF CHINOOK SALMON AND STEELHEAD TRO KS. RACEWAYS, OR AFTER FLUME PASSAGE M.S. Thesis, Univ. Idaho 59p. 198

ncorhynchus tshawytscha and Salmo galrdneri.

ייוריויטי

1)

88-004153 Xu Yonggan and He Dairen. [PRELIMINARY STUDY C RESPONSES OF JUVENILE SPARUS LATUS AND MUGIL CEPHALUS.] 19(2):169-115, 1988. In Chinese with English summ. FR 33(4) 88-004154 Yamada, Hideaki; Hiromi Ohta and Kohei Yamauchi. [CHAI

THYROXINE, ESTRADIOL-178 AND TESTOSTERONE CONCE. SMOLTIFICATION IN THE MASU SALMON, ONCORHYNCHUS MASOU Fish Hatchery No. 42. p. 1-11. 1987. In Japanese with English summ. [Fac. Fish., Hokkaido Univ., Hokkaido, Japan] 88-004155 Yamamitsu, Shunichi and Yasuo Itazawa. [EFFECTS OF

AMBIENT TEMPERATURE ON THE ECG AND RESPIRATORY FUNCTIO Sulsan Gakkaishi 54(5):751-759. 1988. In Japanese with English summ. [Dep. Fish., Fac. Agric., Kyushu Univ., Hakozaki, Fukuoka 8 88-004156 Yano, Tomoki; Hiroko Matsuyama and Miki Nakao. ISOLA:
COMPONENT OF COMPLEMENT (C1) FROM CARP SERUM. NIPPO

[Lab. Fish. Chem., Fac. Agric., Kyushu Univ., Fukuoka 812, Japan 88-004157 Yano, Tomoki; Yuklhiro Hatayama; Hiroko Matsuyama [TITRATION OF THE ALTERNATIVE COMPLEMENT PATHWA

Japanese with English summ, FR 33(4)

REPRESENTATIVE CULTURED FISHES.] Nippon Sulsan Gakkalshi 54(6)

[Lab. Fish. Chem., Fac. Agric., Kyushu Univ., Fukuoka 812, Japan Salmo galedneri, Cyprinus carpio, Tilapia nilotica, Piecogiossus

88-004158 Yarzhombek, A. A. and E. N. Bekina, EFFICIENCY OF SOLUBLE MATTER FROM WATER BY FISH. J. Ichthyol. (Engl. Trans [All-Union Pond Fish. Res. Inst., Post Off. Rybnoe, Moscow Province carple, Salmo gairdneri, Oncorhynchus kisutch, and Oreochromis mossam Young, Graham, ENHANCED RESPONSE OF THE INTER

SALMON (ONCORHYNCHUS KISUTCH) TO ACTH AFTER GROWTH HOR IN VIVO AND IN VITRO. Conp. Comp. Endocrinol. 71(1):85-92. 1988. FR [Dep. Zool. & Cancar Res. Lab., Univ. Calif., Berkeley 94720]

Young, Michael J. A. TEMPERATURE AND PHOTOPERI OVARIAN MATURATION IN THE CHINESE CATFISH, CLARIAS FUSCUS

88-004161 Young, Paciencia S.; Stephan D. McCormick, Jeffery R. Dem Lin; Richard S. Nishioka and Howard A. Bern. EFFECTS
HYPOPHYSECTOMY, AND PROLACTIN ON WHOLE-ANIMAL TRANSEPITHE IN THE TILAPIA OREOCHROMIS MOSSAMBICUS, Gen. Comp. Endocrin

```
004163 Zinichev, V. V. and A. I. Zotin. SELECTED TEMPERATURE AND OPT
DEVELOPMENT IN PROLARVAE AND LARVAE OF CHUM SALMON, ONCORHY
A. J. Ichthyol. (Engl. Transl. Vopr., Ikhtlol.) 27(6):141-144, 1987. FR 33(4)
Inst. Biol. Dev. -- IBR, AN SSSR, Moscow, USSRI
RETICS, VARIATION STUDIES AND HYBRIDIZATION
304164 Acbersold, Paul B.; Gary A. Winans; David J. Teel; George B. Milner an
Utter. MANUAL FOR STARCH GEL ELECTROPHORESIS: A METHOD FOR
FECTION OF GENETIC VARIATION. NOAA (Natl. Oceanic Atmos. Admin.) Tech
FS (Natl. Mar. Flsh. Serv.) 61, 19p, 1987, FR 33(4)
Constal Zone & Estuarine Studies Div., Northwest & Alaska Fish. Cent., NMFS,
Montiake Blvd. E., Seattle, WA 98112]
004105 Agellon, L. B.; S. L. Davies; T. T. Chen and D. A. Powers. STRUCTU
FISH (RAINBOW TROUT) GROWTH HORMONE GENE AND ITS EVOLUTION
LICATIONS. Proc. Natl. Acad. Sci. USA 85(14):5136-5140. 1988. FR 33(4)
Columbia Univ. Coll. Physicians & Surgeons, 630 W. 168th St., New York, NY
no gairdneri.
004166 Allendorf, Fred W. and Robb F. Leary. CONSERVATION AND DISTRIB
GENETIC VARIATION IN A POLYTYPIC SPECIES, THE CUTTHROAT TROUT. Co
1. 2(2):170-184, 1988. In English with Spanish summ. FR 33(4)
Dep. Zool., Univ. Mont., Missoula, 59812] Salmo clarki.
204167 Balon, Eugene K.; Stephen S. Crawford and Anton Lelek. IS THE OCCUR.
CIBIO ALBIPINNATUS LUKASCH 1933 IN THE UPPER DANUBE A RESULT OF UP
ASION OR SYMPATRIC SPECIATION? Senckenb. Blot. 68(4/6):275-299. 1987. In E
German summ, FR 33(4)
Dep. Zool., Univ. Guelph, Guelph, ON, Canada N1G 2W1] C. gobio.
004168 Becker, Inga 1.; W. Stewart Grant; Ralph Kirby and Frank T.
DLUTIONARY DIVERGENCE BETWEEN SYMPATRIC SPECIES OF SOUTHERN AF
KES, MERLUCCIUS CAPENSIS AND M. PARADOXUS. II. RESTRICTION E
ALYSIS OF MITOCHONDRIAL DNA. Heredity 61(1)21-30. 1988. FR 33(4)
Dep. Microblol., Univ. Cape Town, Rondebosch 7700, South Africa]
004169 Billington, Nell and Paul D. N. Hebert. USE OF MITOCHONDRIAL DNA (m
CHNIQUES IN FISH STOCK MANAGEMENT. Int. Assoc. Great Lakes Res. Conf. 3
7. Abstract only, FR 33(4)
Great Lakes Inst., Univ. Windsor, Windsor, ON, Canada N98 3P4]
004170 Chakraborty, S. K. and P. V. Kagwada. CHROMOSOME COUNTS OF
MILUCTUOSA AND JOHNIUS BELACERII (PISCES: SCIAENIDAE). Indian J.
1):115-118, 1986, FR 33(4)
```

ARACTERIZATION OF SEA BASS (*DICENTRARCHUS LABRAX* L.) VITELLOGI est. Pesg. 51(3):467-477. 1987. In Spanish with English summ. FR 33(4) Inst. Acuicult. Torre Sal, Ribera Cabanes, 12595 Castellon, Spain]

```
USING THE COLD SHOCK TECHNIQUE. Bamidgeh 40(1):17-21. 1988. F
  [Lab. Fish Immunol. & Genet., Dep. Life Sci., Bar-Han Univ., Ram
Oreochromis aureus.
            Ermolenko, L. N.; S. P. Pustovoit; A. N. Makoedov an
[GENETICS OF PHOSPHOGLUCOMUTASE (PGM-2) ISOENZYMES IN
Genetika 24(7):1262-1268, 1988. In Russian with English summ. FR 33(4
  [Inst. Biol. Problems North, Acad. Sci. USSR, Far East Div., Magad
88-004173 Ferguson, Moira M.; Roy G. Danzmann and Fred W. Allendo
SUCCESS OF HYBRIDS BETWEEN TWO TAXA OF SALMONID FISHI
STRUCTURAL GENE DIVERGENCE. Can. J. Zool. 66(6):1389-1395. 1
  [Dep. Zool., Univ. Guelph, Guelph, ON, Canada NIG 2W1] Salmo clar
lewisi.
88-004174 Gold, J. R. and W. J. Karel, DNA BASE COMPOSITION
DISTRIBUTION AMONG FIFTEEN SPECIES OF TELEOSTEAN FISHE
```

Physiol. B Comp. Blochem, 90(4):715-719, 1988, FR 33(4)

PROTEINS, Heredity 61(1)13-20, 1988, FR 33(4)

DIVERGENCE |

namaycush.

88-004180

[Dep. Wildl. & Fish. Sci., Tex. ASM Univ., College Station 77843]

88-004175 Grady, James Michael. BIOCHEMICAL SYSTEMATICS AND B ICTALURID CATFISH GENUS WOTURUS (PISCES, SILURIFORMES). South. III. Univ. (Carbondale) 202p. 1987. From Diss. Abstr. Int. B

MERLUCCIUS CAPENSIS AND M. PARADOXUS. I. ELECTROPHORE

88-004177 Grewe, Peter M. and P. D. N. Hebert, IMPLICATIONS OF DNA DIVERSITY FOR LAKE TROUT MANAGEMENT. Int. Assoc. Great [Biol. Dep., Great Lakes Inst., Univ. Windsor, Windsor, ON, Canada N

POPULATION STRUCTURE OF FOURHORN SCULPIN (MYOXOCEPHALU. COTTIDAE) IN SCANDINAVIA. Hereditas 108(2):179-185. 1988, FR 33(4)

88-004179 Hallerman, Eric M. and Jacques S. Beckmann, DNA-LEVEL PO TOOL IN FISHERIES SCIENCE. Can. J. Fish. Aquat. Sci. 45(6):1075-108

[Dep. Genet., Univ. Stockholm, Stockholm, Sweden]

[Dep. Anim. Sci., Univ. Minn., St. Paul 55108]

TRIPLOID RAINBOW TROUT (SALMO GAIRDNED) DISTURBED

[Dep. Genet., Univ. Witwatersrand, Johannesburg 2050, South Africa]

Grant, W. Stewart; Inga I. Becker and Rob W. Lesli

BETWEEN SYMPATRIC SPECIES OF SOUTHERN

Gyllensten, Ulf and Nils Ryman. BIOCHEMICAL GENETIC

Happe, A.; Edwige Quillet and B. Chevassus. EARLY L

[Bodega Mar. Lab., P.O. Box 247, Bodega Bay, CA 94923]

88-004182 Hine, P. M. and J. M. Wain. OBSERVATIONS ON THE GRANI PEROXIDASE OF TELEOSTS: A PHYLOGENETIC PERSPECTIVE. J. Fish Biol. 33(2) 1988. FR 33(4)

{Fish. Res. Cent., Minist. Agric. & Fish., P.O. Box 297, Wellington, New Zealan 88-004183 Houde, Anna E. GENETIC DIFFERENCE IN FEMALE CHOICE BETWORD POPULATIONS. Anim. Behav. 36(2):510-516. 1988. FR 33(4)

[Dep. Biol., Princeton Univ., Princeton, NJ 08544]

38-004184 Ihssen, P. E.; J. M. Casselman; G. W. Martin and R. B. BIOCHEMICAL GENETIC DIFFERENTIATION OF LAKE TROUT (SALVELINUS NAM.

88-004181 Hedgecock, Dennis and Devin M. Bartley. ALLOZYME VARIATION CALIFORNIA HALIBUT, *PARALICHTHYS CALIFORNICUS. Calif. Fish Game 7*-(2)

1988. FR 33(4)

STOCKS OF THE GREAT LAKES REGION. Can. J. Fish. Aquat. Sci. 45(6):1018-10
In English with French summ. FR 33(4)
[Ontario Minist. Nat. Resour., Ros. Sect., Fish. Branch, Box 50, Maple, ON, Cateo]

38-004185 | Izyumov, Yu. G. and O. G. Gerasimenko. EXPERIMENTAL EVIDENCE
HYBRID ORIGIN OF THE MIDDLE VOLGA POPULATION OF BREAM, ABRAMIS BR

HYBRID ORIGIN OF THE MIDDLE VOLGA POPULATION OF BREAM, ABRAMIS BE Chithyol. (Engl. Transl. Vopr. Ikhtlol.) 27(6):101-103. 1987. FR 33(4) [Inst. Biol. Inland Waters-IBVV AN SSSR, Borok Yaroslavskaya Sect., USSR] 38-004186 Laius, D. L. NEW DATA ON KARYOLOGICAL CHARACTERISTICS OF SPAWNING IN KANDALAKSHA BAY OF THE WHITE SEA. Dokl. Biol. Sci. (Engl

SPAWNING IN KANDALAKSHA BAY OF THE WHITE SEA. Dokl. Biol. Sci. (Engl. Dokl. Akad. Nauk SSSR) 297(1-6):698-701. 1988. FR 33(4)

[Zool. Inst. Acad. Sci. USSR, Leningrad, USSR]

88-004187 Langhammer, James K. THE BLACK BEAUTY SAWFIN: THE FIRST (CULTIVAR. Trop. Fish Hobbyist 37(1):22-24, 27. 1988. FR 33(4)

Skiffic multipunctata and S. francesae.

Skiffia multipunctata and S. francesae. 38-004188 Lewis, Ricki, FISH: NEW FOCUS FOR BIOTECHNOLOGY. BioScience 38 227. 1988. FR 33(4) [SUNY, Albany, NY]

38-094189 Meffe, Gary K. and Robert C. Vrijenhoek. CONSERVATION GENETICS MANAGEMENT OF DESERT FISHES. *Conserv. Biol.* 2(2):157-169. 1988. In Engl Spanish summ. FR 33(4) [Savannah River Ecol. Lab., Drawer E, Alken, SC 29801]

18-004190 Monaco, Paul J.; Ellen M. Rasch and Phillip R. Musich. POLYMORPH RIBOSOMAL DNA OF A UNISEXUAL FISH. *Copela* 1988(3):774-777. 1988. FR 33(4) [Coll. Med., E. Tenn. State Univ., Johnson City 37615] *Poecilla formosa*.

- [Dep. Fish. Sci., Fac. Agric., Tohoku Univ., Sendai 980, Japan]
- 88-004192 Ohkubo, Shin-ichi. (GENETIC VARIABILITY IN HATCH-POPULATIONS OF MASU SALMON, ONCORHYNCHUS MASOU.] Scl. Hotchery No. 42. p. 37-44. 1987. In Japanese with English summ. FR 33
- [Hokkaido Fish Hatchery, Hokkaido, Japan]
- 88-004193 Okamoto, Hirozki; Fumio Yamazakl and Seikichi Mishima. [G AMONG SAND-LANCE AMMODYTES PERSONATUS POPULATIONS IN JA Gakkaishi 54(8):1297-1304, 1988. In Japanese with English summ. FR 33 [Fac. Fish., Hokkaido Univ., Minato 3, Hakodate 041, Japan]
- 88-004194 Prince, John Stuart, Jr. AN ELECTROPHORETIC ANALYS RELATIONSHIP BETWEEN ETHEOSTOMA NIGRUM AND ETHE (PERCIDAE: ETHEOSTOMATINI) IN THE JAMES RIVER DRAINAGE Thesis, Univ. Richmond 1985. From Masters Abstr. Int. 1986. FR 33(4)
- 88-004195 Quillet, Edwige; Bernard Chevassus; Jean-Marie Blanc; Daniel Chourrout. PERFORMANCES OF AUTO AND ALLOTRIPLOID SURVIVAL AND GROWTH IN FRESH WATER FARMING. Aquat. Living 1988, In English with French summ. FR 33(4)
- [Stn. Hydrobiol., INRA, Saint-Pee-sur-Nivelle, 64310 Ascain, Franc trutta, Salvelinus fontinalis, and Oncorhynchus kisutch.
- 88-004196 Quillet, Edwige; B. Chevassus and A. Devaux, TIMING HATCHING IN GYNOGENETIC, TRIPLOID, TETRAPLOID, AND HY RAINBOW TROUT. Genet. Sel. Evol. 20(2):199-210, 1988. In English v
- [Inst. Natl. Rech. Agron., Lab. Genet. Poissons, 78350 Jouy-engolránesi.
- 88-004197 Seeb, James E.; Gary H. Thorgaard and Fred M. Ut ALLOZYME EXPRESSION IN DIPLOID AND TRIPLOID HYBRIDS BETW AND COHO SALMON. Aquaculture 72(1/2):31-48, 1988, FR 33(4)
- [Fish. Res. Lab., South. III. Univ., Carbondale 62901] Oncorhyno and O. tshowytscho.
- Seki, Shingo and Nobuhiko Taniguchi. [TRACKING TH LANDLOCKED FORM BY ISOZYME MARKERS.) Nippon Suisan Gakkaisi In Japanese with English summ. FR 33(4)
 - IDep. Cult. Fish., Fac. Agric., Kochi Univ., Nankoku, Kochi 78 aitivelis.
 - 88-004199 Serov, D. V. and S. I. Nikonorov, MECHANISM AND FA FOR THE LACTATE DEHYDROGENASE GENE IN STURGEON, Dokl. B. Dokl. Akod. Nauk SSSR) 297(1-6):635-637. 1988. FR 33(4)
 - [A. N. Severtsov Inst. Evol. Morphol. & Anim. Ecol., Acad. Sci. Acipenser stellatus.

MERICAN SHAD MIGRATING INTO THE CHESAPEAKE BAY. Am. Fish. Soc. S . 1987. Abstract only, FR 33(4) Dominion Univ., Norfolk, VA 23508] Alosa sapidissima. 1201 Standbrough, Shelia B. and Michael C. Wooten, GENETIC VARIABILITY UITOFISH FROM SOUTHERN ALABAMA AND FLORIDA. J. Ala. Acad. Sci., 59(3) Abstract only. FR 33(4) p. Zool. & Wildl. Sci., Auburn Univ., Auburn, AL 36849-5414] Gambusla spp. 1202 Starmach, Janusz. INDIVIDUAL GENETIC VARIABILITY WITHIN SYNTH DING LINES OF CARP AGAINST THE BACKGROUND OF THE ELECTROPHOR TIONATION OF BLOOD PLASMA TRANSFERRIN. Acta Hydrobiol. 29(1):111-118. glish with Polish summ. FR 33(4) lish Acad. Sci., Inst. Freshwater Biol., ul. Slawkowska 17, 31-016 Krakow, Pol nus carpio. 1203 Stoddard, Kirk McAllister. A PHYLOGENETIC ANALYSIS OF S (LEBACK FISHES (TELEOSTEI, STICHAEIDAE, XIPHISTERINAE) FROM THE NO IC OCEAN, WITH A DISCUSSION OF THEIR BIOGEOGRAPHY. M.A. thesis, of Univ. (Fullerton) 97p. 1985. From Masters Abstr. Int. 24(1):46. 1986. FR 33(4) 1204 Sugama, Ketut; Nobuliko Taniguchi and Susumu Umoda. AN EXPERIMEN Y ON GENETIC DRIFT IN HATCHERY POPULATION OF RED SEA BREAM. NI o Gakkalshi 54(5):739-744. 1988. In English. FR 33(4) p. Cult. Fish., Fac. Agric., Kochi Univ., Nankoku, Kochi 783, Japan] Pagrus maj 1205 Tabata, Kazuo and Shigeaki Gorie, [COMPARISON OF GROWTH GENETIC DIPLOIDS WITH CONTROL DIPLOIDS IN HIRAME PARALICHT ICEUS REARED IN THE SAME TANK.] NIppon Sulsan Gakkaishi 54(7):1143-1147. panese with English summ. FR 33(4) ogo Prefectural Fish. Exp. Stn., Nakazaki, Akashi, Hyogo 673, Japan) 1206 Ueda, Takayoshi; Ryozo, Sato and Jindo Kobayashi. SILVER-BAN OTYPES OF THE RAINBOW TROUT AND THE BROOK TROUT AND THEIR HYBR PEARANCE IN ALLOTRIPLOIDS OF Ag-NORS ORIGINATED FROM THE BR T. Jpn. J. Genet. 63(3):219-226. 1988. FR 33(4) P. Biol., Fac. Educ., Utsunomiya Univ., Utsunomiya 321, Japan) Salmo galrdnerl Inus fontinalis. 1207 – Varnavskaya, N. V. and V. S. Varnavsky. [THE BIOLOGY OF THE DW EYE SALMON OF DALNEE LAKE (KAMCHATKA). | Mar. Biol. Viadivostok 1988(2) 188. In Russian with English summ, FR 33(4) b. Salmonids, Kamchatka Div. Pac. Res. Inst. Fish. & Oceanogr., Petropavlo natsky 683000, USSR] Oncorhynchus nerka. 1208 - Vitturi, R.; B. Zava; E. Catalano; A. Maiorca and M. Macaluso. KARYOTY VE MEDITERRANEAN TELEOSTEAN FISHES. Biol. Zentrolbi. 107(3):339-344. 1988 st. Zool., Univ. Palermo, Via Archirafi 18, 90123 Palermo, Italy) Zeus faber, Bala nensis, Trachinus draco, Lophius piscatorius, and Gymnammodites cicerellus.

and it. 3: birdsbilg, brochemone and delice anale

. . .

88-004210 Vrijenhoek, Robert C.; Michael E. Douglas and Gary K. GENETICS OF ENDANGERED FISH POPULATIONS IN ARIZONA. Sci 1985. FR 33(4)

[Bur, Biol. Res., Rutgers Univ., New Brunswick, NJ 08903] Poed

88-004211 Wang Ruifand; Shi Liming and He Weishun. [A COMPA AG-NORS OF CARASSIUS AURATUS FROM DIFFERENT GEOGRAM Res. 9(2):165-169. 1988. In Chinese with English summ. FR 33(4) [Kunming Inst. Zool., Acad. Sinica, China]

88-004212 Watahiki, Masanori; Minoru Tanaka; Naoki Masuda; Yoneda and Kunio Nakashima. cDNA CLONING AND PRIMARY STRU (SERIOLA QUINQUERADIATA) PREGROWTH HORMONE. Gen. Con 406. 1988. FR 33(4)

[Nakashima: Dep. Biochem., Mia Univ. School Med., 2-174 Edobas

88-004213 Watanabe, Ken-ichi and Ken-ichi Numachi. [BIOCHEI AND MORPHOLOGICAL EXAMINATION OF THE SIBLING SPECIES (IN THE EASTERN PART OF THE SETO INLAND SEA.) Nippon Sui 772. 1988. In Japanese with English summ. FR 33(4) [Tokushima Prefectural Fish. Exp. Stn., Hiwasa, Kaifu, To

88-004214 Weitzman, Stanley H. and Richard P. Vari. MINIA AMERICAN FRESHIVATER FISHES; AN OVERVIEW AND DISCUSSIO 101(2):444-465. 1988. In English with Portuguese summ. FR 33(4) [Dep. Vertebr. Zool., (Fishes), Natl. Mus. Nat. Hist., Smiths DC 20560]

88-004215 Wike, Lynn Dell. AN EXAMINATION OF THE BAS PERFORMANCE IN THE HYBRID GRASS CARP, Ph.D. dissertat Champaign) 148p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(2): Ctenopharyngodon idella and Hypophthalmichthys nobilis.

88-004216 Ziuganov, V. V. [STUDIES ON THE MECHAN REPRODUCTIVE ISOLATION OF FORMS (TRACHURUS, LEIUR THREESPINE STICKLEBACK GASTEROSTEUS ACULEATUS GASTEROSTEIDAE) FROM TWO GEOGRAPHICAL REGIONS. Zool. In Russian with English summ. FR 33(4)

[Inst. Dev. Biol., USSR Acad. Sci., Moscow, USSR]

BEHAVIOR

Pleuronichthys cornutus.

88-004217 Beacham, Jeffery L. THE RELATIVE IMPORTANC AGGRESSIVE EXPERIENCE AS DETERMINANTS OF DOMINANCE IN LEPOMIS GIBBOSUS, Anim. Behav. 36(2):621-623, 1988, FR 33(4) [Oep. Biol. Sci., SUNY, Albany, NY 12222] 1219 Boreman, John and R. Rhett Lewis, ATLANTIC COASTAL MIGRATION ED BASS. Am. Fish. Soc. Symp. 1:331-339, 1987. FR 33(4) FS, Northeast Fish, Cent., Woods Hole, MA 02543] Morone saxatills. 1220 Butler, John L. and Darlene Pickett. AGE-SPECIFIC VULNERABILITY FIC SARDINE, SARDINOPS SAGAX, LARVAE TO PREDATION BY NORTH OVY, ENGRAULIS MORDAX, U.S. Natl. Mar. Fish. Serv. Fish. Bull. 86(1):163-FR 33(4) uthwest Fish. Cent., NMFS, NOAA, P.O. Box 271, La Jolla, CA 92117] 1221 Cooper, Richard A.; Larry Boyer; David Long and Tim Askew. BIOEROS SHELTER FORMATION BY THE BURBOT, LOTA LOTA. IN THE DEEP BASINS OF I RIOR. Int. Assoc. Great Lakes Res. Conf. 30: A-13, 1987. Abstract only. FR 33(4) tl. Under Res. Program, Univ. Conn., Groton 06340] 1222 Dadswell, Michael J.; Gary D. Mulyin; P. James Williams and Daphne Mes. INFLUENCES OF ORIGIN, LIFE HISTORY, AND CHANCE ON THE ATLAN T MIGRATION OF AMERICAN SHAD. Am. Fish. Soc. Symp. 1:313-330. 1987. FR 33 th. Res. Branch, Dep. Fish. & Oceans, Biol. Stn., St. Andrews, NB, Canada Alosa saoldissimo. 1223 Dadswell, Michael J.; Ronald J. Klauda; Christine M. Moffitt; Richard ers; Roger A. Rulifson and John E. Cooper, editors. PROCEEDINGS OF RNATIONAL SYMPOSIUM ON COMMON STRATEGIES OF ANADROMOUS DROMOUS FISHES: HELD IN BOSTON, MASSACHUSETTS, USA, MARCH 9-13, 1 Ish. Soc. Symp. 1:561p. 1987, FR 33(4) Fish, Soc., 5410 Grosvenor Ln., Ste. 110, Bothesda, MD 208141 Selected chap ed in this issue of Fisheries Review. 224 Debrot, Adolohe O. and Arthur A. Myrberg, Jr. INTRASPECIFIC AVOIDA PROXIMATE CAUSE FOR MIXED-SPECIES SHOALING BY JUVENILES OF A WEST NTIC SURGEONFISH, ACANTHURUS BAHLANUS. Bull. Mar. Sci. 43(1):104-106. 1 (4)lumbia River Inter-Tribal Fish Comm., 975 S.E. Sandy Blvd., Suite 202, Portland, 1225 Dempson, J. B. and A. H. Kristofferson. SPATIAL AND TEMPORAL ASPE HE OCEAN MIGRATION OF ANADROMOUS ARCTIC CHAR. Am. Fish. Soc. Sy 357. 1987. FR 33(4) h. Res. Branch, Dep. Fish. & Oceans, P.O. Box 5667, St. John's, NF, Canada Salvelinus alpinus. 226 Dubinsky, Z. MARINE SYMBIOSES. PROCEEDINGS, FIRST EILAT SYMPOSI

JARY 8-13, 1987. Symbiosis 4:365p. 1987. From Deep-Sea Res. Part 8 Oceanogr.

35(7):4274. 1988. FR 33(4)

LIA VELIFERA (PISCES: POECILIDAE) DURING CAPTIVITY, Ethology 79(1):

t. Popul. Biol., Univ. Copenhagen, Universitetsparken 15, DK-2100 Copenhage

FR 33(4)

rkl

```
WATCH (COMTINUED)
```

88-004227 Duffy, David C. PREDATOR-PREY INTERACTIONS BET AND BUTTERFISH. Ornis Scand. 19(2):160-163. 1988. FR 33(4) [Escuela Cienc. Ambientales, Univ. Nac., Heredia, Costa Rica] Pepi York.

Dupuis, H. M. C. and M. H. A. Keenleyside. REPROD NESTING MALE LONGEAR SUNFISH (LEPOMIS MEGALOTIS PELTA INFLUENCING SPAWNING SUCCESS. Behav. Ecol. Sociobiol, 23(2):109 [Dep. Fish. & Oceans, Fish. Res. Branch, P.O. Box 5030, Monc 9B61

Empson, Perry W. and Adrian S. Meredith. DOWNSTR GEOTRIA AUSTRALIS JUVENILES IN THE LOWER WAIKATO RI Freshwater Res. 21(4):643-644. 1987. FR 33(4) [Aquat. Biosci. Lab., Electricity Corp., P.O. Box 445, Hamilton, Ne

88-004230 Ferreiro, Maria Jose and Uxio Labarta. [SPAWNING AREA THE SPRAT (SPRATTUS SPRATTUS LINNAEUS, 1758) IN THE RIA OF SPAIN).] Invest. Pesq. 51(3):339-350. 1987. In Spanish with English st [Inst. Invest. Mar., C.S.I.C., Muelle Bouzas, 6,36208 Vigo, Spain]

88-004231 Foote, Chris J. MALE MATE CHOICE IN FISHES: A REVIEW IN COHO SALMON. Anim. Behav. 36(4):1228-1230. 1988. FR 33(4)

[Inst. Anim. Ecol., Univ. British Columbia, Vancouver, BC, Canada Foster, S. A.; V. B. Garcia and M. Y. Town. CANNIBALIS AN ONTOGENETIC SHIFT IN HABITAT USE BY FRY OF THE THREES Oecologia (Berl.) 74(4):577-585. 1988. FR 33(4) [Dep. Ecol. & Evol., SUNY, Stony Brook, NY 11794] Gasterosteus acu

88-004233 Francis, Richard C. ON THE RELATIONSHIP BETWEEN SOCIAL DOMINANCE. Ethology 78(3):223-237. 1988. FR 33(4) [Dep. Zool., Univ. Calif., Berkeley 94720]

88-004234 Fulman, Lee A. and Paul W. Webb. ONTOGENY OF F ACTIVITY AND PERFORMANCE IN ZEBRA DANIOS (TELEOSTEI: C [School Nat. Resour., Univ. Mich., Ann Arbor 48109] Brachydanio rei

88-004235 Galis, F. and P. W. de Jong, OPTIMAL FORAGING AND SELECTION BY HAPLOCHROMIS PICEATUS. Oecologia (Berl.) 75(2)

Univ. Leiden, Dep. Organismal Biol., P.O. Box 9516, 2300 RA Leiden, 88-004236 Gatz, A. J., Jr.; M. J. Sale and J. M. Loar. HABITAT SF TROUT: COMPETITIVE INFLUENCES OF BROWN TROUT. Oecologia

[Dep. Biol. Sci., Ohio Weslevan Univ. Dale.

gairdneri.

FRIBUTIONS: POPULATION DENSITY AND PATCH USE BY ZEBRAFISH. Anim. 1:1875-1882, 1987, FR 33(4) Dep. Biol. Sci., Simon Fraser Univ., Burnaby, BC, Canada VSA 186] 04238 Glova, G. J.; P. M. Sagar and C. R. Docherty. DIEL FEEDING PERIO TORRENTEISH (CHEIMARRICHTHYS FOSTERI) IN TWO BRAIDED RIVER TERBURY, NEW ZEALAND. N.Z. J. Mar. Freshwater Res. 21(4):555-561. 19 reshwater Fish. Cent., Minist. Agric. & Fish., P.O. Box 8324, Ric stchurch, New Zealand) 04239 Gomelyuk, V. E. and A. I. Markevich. [THE SPATIAL STRUCTURE OF G BEHAVIOUR OF THE ROCKFISH SEBASTES TACZANOWSKII IN THE FAR-EA INE RESERVE.] Mar. Blot. Vladiyostok 1987(5):59-64, 1987. In Russian with n. FR 33(4) arr-East, State Man, Reserve, Inst. Man, Biol., Fan East Sci. Cent., Acad. Sci. ivostok 690022, USSR) 04240 Gorman, Owen T. AN EXPERIMENTAL STUDY OF HABITAT USE EMBLAGE OF OZARK MINNOWS. Ecology 69(4):1239-1250. 1988. FR 33(4) Pep. Biol., Memphis State Univ., Memphis, TN 38152] Notropis zonatus, N. boo lus, Noconis biguttatus, and Campostoma oligolepis. 04241 Gross, Mart R. EVOLUTION OF DIADROMY IN FISHES. Am. Fish. Soc. -25. 1987. FR 33(4) Pep. Zool., Univ. Toronto, Toronto, ON, Canada MSS IA1] 04242 Gruber, Samuel H.; Donald R. Nelson and John F. Morrissey. PATTER IVITY AND SPACE UTILIZATION OF LEMON SHARKS, NEGAPRION BREVIROSTI HALLOW BAHAMIAN LAGOON. Bull. Mar. Sci. 43(1):61-76. 1988. FR 33(4) iv. Biol. & Living Resour., Rosenstiel School Mar. & Atmos. Sci., Univ. Miami, 31491 04243 Hamilton, Thomas R. POPULATION DYNAMICS AND AGGRESSIVE BEHAV PIES. Trop. Fish Hobbylst 36(10):64-68, 1988. FR 33(4) ecilia reticulata. Harvey, B. C.; R. C. Cashner and W. J. Matthews, DIFFERENTIAL Ex 04244 LARGEMOUTH AND SMALLMOUTH BASS ON HABITAT USE BY STONEROLLER MI TREAM POOLS. J. Fish. Biol. 33(3):481-487. 1988. FR 33(4) Oak Ridge Natl. Lab., Environ. Sci. Div., Oak Ridge, TN 37831] Micropterus sal lolomleul, and Campostoma anomalum in Oklahoma. 04245 Hasegawa, Eiichi; Kazumasa Yoza and Hideo Soeda. [EXPERIMENTAL DISCUSSION OF FRIDMAN'S THEORY IN RELATION TO THE BEHAVIOR O OOL ENCOUNTERED BY THE LEADER-NET OF SET-NET.] Nippon Sulsan Ga):975-982, 1988. In Japanese with English summ. FR 33(4) ac. Bioresour., Mie Univ., Tsu 514, Japan) 04246 Hastings, Philip A. FEMALE CHOICE AND MALE REPRODUCTIVE SUCC

O11112

Creative City

....

4111.3

COLLABOR

```
OCEAN-TYPE CHINOOK AND SOCKEYE SALMON, Am. Fish. Soc. Syn
  [Dep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nar
5K6] Oncorhynchus nerka and O. tshawytscha.
88-004248
          Habert, M. and Samuel I. Zeveloff. MALE PARENTAL C
CICHLID (CICHLASOMA NIGROFASCIATUM). Encyclia 64:142. 19
          Heggenes, Jan. EFFECT OF EXPERIMENTALLY INCRE
COMPETITION ON SEDENTARY ADULT BROWN TROUT (SALMO TRU
STREAM HABITAT CHOICE. Can. J. Fish. Aquat. Sci. 45(7):1163-
  [Dep. Nat. Conserv., Agric, Univ. Norway, Box 39, 1432 As-NLH,
88-004250
           Hindar, Kjetil; Bror Jonsson; Joyce H. Andrew and
RESOURCE
           UTILIZATION OF SYMPATRIC AND EXPERIMEN
CUTTHROAT TROUT AND DOLLY VARDEN CHARR. Oecologia (Berl.
  [Fish Res. Div., Tungasletta 2, N-7000 Trondheim, Norway]
88-004251
          Hirsch, Cheryl Lynne, A QUANTITATIVE ANALYSIS
FEMALE
         PARENTAL ROLES IN THE JACK DEMPSEY CIC
OCTOFASCIATUM). M.A. Thesis, Cent. Mich. Univ. 41p. 1985. From
          Holbrook, Sally J. and Russell J. Schmitt, EFFECTS OF
FORAGING BEHAVIOR: MECHANISMS ALTERING PATCH CHOICE. J.
  [Dep. Biol. Sci. & Coastal Res. Cent., Mar. Sci. Inst., Univ. (
93106] Sebastes rastrelliger, Paralabrax clathratus, and Embiotoca Jack
          Houde, Anne E. THE EFFECTS OF FEMALE CHOIC
COMPETITION ON THE MATING SUCCESS OF MALE GUPPIES, Anim, E
  [Biol, Dep., Princeton Univ., Princeton, NJ 08544] Poecilla reticulata
88-004254 Ingle, David J. THE GOLDFISH AS A RETINEX ANIMAL. Se
 [Rowland Inst. Sci., Cambridge, MA 02142] Carassius auratus.
88-004255
           Irons, Darby. BEHAVIORAL INTERACTIONS OF TH
CHAETODON TRIFASCIALIS AT JOHNSTON ATOLL. Pac. Sci. 42(
 [Dep. Zool., Univ. Hawaii, Honolulu]
         Ishida, Kyoichi; Sachio Nagahora; Yoshihiro Inoue and
(BEHAVIOR OF ADULT CHUM SALMON ONCORHYNCHUS KETA HOMING
SANRIKU.] Nippon Suisan Gakkalshi 54(8):1279-1287. 1988. In Japanese
```

NST PREDATION BY FISH IN SWARMING WATERFLEAS, *BOSMINA LONGISPINA*. v. 36(4):986-990. 1988. FR 33(4) p. Anim. Behav., Mus. Zool., Univ. Bergen, 5000 Borgen, Norway] 4258 Johnson, David L.; Raymond A. Beaumier and William E. Lynch, Jr. SELEC ABITAT STRUCTURE INTERSTICE SIZE BY BLUEGILLS AND LARGEMOUTH BA S. Trans. Am. fish. Soc. 117(2):171-179, 1988, FR 33(4) hool Nat. Resour., Div. Fish. & Wildl. Manage., Ohio State Univ., Columbus 🤻 pterus salmoides and Lenomis macrochirus in Ohio. 4259 Kelley, Matthew W. CHEMOSENSORY RECOGNITION OF CONSPECIFIC PEO BASS JUVENILES. Poc. Sci. 42(1-2):123-124. 1988. Abstract only. FR 33(4) p. Zool., Univ. Hawaii, Honolulu] 1260 Kodric-Brown, Astrid. EFFECTS OF SEX-RATIO MANIPULATION ITORIALITY AND SPAWNING SUCCESS OF MALE PUPFISH, CYPRING SENSIS. Anim. Behav. 36(4):1136-1144. 1988. FR 33(4) p. Biol., Univ. N.M., Albuquerque 87131] 1261 Kolke, Takashi and Kanau Matsuike. RESPONSE OF A FISH SCHOOL RENT WAVELENGTHS OF INTERMITTENT LIGHTS AND DIFFERENT BACKGRO DIANCES UNDER PROJECTED LIGHT. Nippon Sulsan Cakkalshi 54(5):829-835. 198 h. FR 33(4) c. Bloresour., Mie Univ., Tsu, Mie 514, Japan) Trochurus Japonicus. 1262 Levin, A. V. and V. P. Gnyubkina. [VISUALLY DETERMINED BEHAVIOU PRELARVAE AND LARVAE OF MASKED GREENLING AND ATKA FISH.] Mar-costok 1987(3):77-80. 1987. In Russian with English summ. FR 33(4) radag Dap., Inst. Biol. South. Seas, Acad. Sci. Ukralnian SSR, Karadag 33 Hexagrammas actogrammus and Pleurogrammus manapteryglus. 1263 Lindstrom, Kai. MALE-MALE COMPETITION FOR NEST SITES IN THE , POMATOSCHISTUS MINUTUS. Olkos 53(1):67-73. 1988. FR 33(4) p. Zool., Univ. Helsinki, P. Rautatiekatu 13, SF-00100 Helsinki, Finland] 1264 Lobb, M. Delbert III and Donald J. Orth. MICRONABITAT USE BY OUTH CHUB NOCOMIS PLATYRHYNCHUS IN THE NEW RIVER, WEST VIRGINIA. Nat. 120(1):32-40, 1988, FR 33(4) p. Nat. Resour., Rt. 1, Box 1A, Belleville, WV 26133] Magnan, Pierre. INTERACTIONS BETWEEN BROOK CHARR, SALVEL 1265 IWALIS, AND NONSALMONID SPECIES: ECOLOGICAL SHIFT, MORPHOLOG , AND THEIR IMPACT ON ZOOPLANKTON COMMUNITIES. Can. J. Fish. Aquat 999-1009, 1988. In English with French summ. FR 33(4) p. Chim.-Biol., Univ. Quebec Trois-Rivieres, C.P. 500, Trois-Rivieres, PQ, Co HT] Semotifus atromaculatus and Catostomus commersoni in Canada. 1266 Magurran, Anne E. and Anthony Higham. INFORMATION TRANSFER AC SHOALS UNDER PREDATOR THREAT. Ethology 78(2):153-158. 1988. FR 33(4) hool Anim. Biol., University Coll. North Wales, Bangor, Gwynedd LL57 2UW, W E anie teration

- (Dep. 2001, & Migratory Fish Res. Inst., Univ. Maine, Orono 0440
- 88-004268 McDowall, Robert M. THE OCCURRENCE AND DISTR
- AMONG FISHES. Am. Fish. Soc. Symp. 1:1-13, 1987. FR 33(4)
 [Fish. Res. Div., Minist. Agric. & Fish., Christchurch, New Zeal
- 88-004269 Mittelbach, Gary G. COMPETITION AMONG REFU EFFECTS OF FISH DENSITY ON LITTORAL ZONE INVERTEBRATE: 1988. FR 33(4)
- 1988. FR 33(4)
 [W. K. Kellogg Biol. Stn. & Dep. Zool., Mich. State Univ., Lepomls macrochirus and L. cyanellus in Michigan.
- 88-004270 Mousseau, Timothy A. and Nicholas C. Collins. POL
- ABUNDANCE IN THE SLIMY SCULPIN (COTTUS COGNATUS). Co. 2829. 1987. In English with French summ. FR 33(4) [Dep. Biol., McGill Univ., 1205 Penfield Ave., Montreal, PQ, Can
- 88-004271 Naama, A. K. and K. A. Muhsen. FEEDING PERIODIC (172A ABU (HECKEL) AND CYPRINID CARASOBARBUS LUTEU, HAMMAR MARSH, SOUTHERN IRAQ. Indian J. Fish. 33(3):347-350. [Mar. Sci. Cent., Univ. Basrah, Irao]
- 88-004272 Northcott, S. J.; R. N. Gibson and E. Morgan CIRCATIDAL RHYTHM OF LOCOMOTOR ACTIVITY IN LIPOPHRYS USING CYCLES OF HYDROSTATIC PRESSURE. J. Interdispl. Cycles only ER 22(4)
 - Abstract only. FR 33(4)
 [Dunstaffnage Mar. Res. Lab., Scottish Mar. Biol. Assoc., P. PA34 4AD, Scotland]
 - 88-004273 Olla, Bori L. and Michael Davis. TO EAT OR NOT BE REARED SALMON NEED TO LEARN SURVIVAL SKILLS? Underwater FR 33(4) [Coop. Inst. Mar. Resour., Oreg. State Univ., Corvallis] Of Ophiodon elongotus.
 - 88-004274 Parmigiani, S.; P. Torricelli and M. Lugli. INTEI PADOCOBIUS MARTENSI (GUNTHER) (PISCES GOBIIDAE) D SEASON: EFFECTS OF SIZE, PRIOR RESIDENCE, AND PARENT Lool. Jaol. 22(2):161-170. 1988. In English with Italian summ. FR 33 [1st. Zool. Univ., Via Universita 12, I-43100 Parma, Italy]
 - 88-004275 Power, G.; M. V. Power; R. Dumas and A. Gordon. ATLANTIC SALMON FROM RIVERS IN UNGAVA BAY, QUEBEC. 1:364-376. 1987. FR 33(4)
 - [Dep. Biol., Univ. Waterloo, Waterloo, ON, Canada N2L 3G1] Sal.

J Fish., WH-10, Univ. Wash., Seattle 98195] 7 Rabel, Frank J. and Roy A. Stein. COMPLEX PREDATOR-PREY INTERACTIO EDATOR INTIMIDATION AMONG CRAYFISH, PISCIVOROUS FISH, AND SMA 2 FISH. Oecologia (Berl.) 75(1):94-98. 1988. FR 33(4) Zool, & Physiol., Univ. Wyo., Laramie 82071] Etheostoma algrum and Micropter 1. 8 Randall, Robert G.; Michael C. Healey and J. Brian Dempson, VARIABILITY OF FRESHWATER RESIDENCE OF SALMON, TROUT, AND CHAR. Am. Fish. S :27-41. 1987. FR 33(4) Fish. & Oceans, Gulf Fish. Cent., P.O. Box 5030 Moncton, NB, Canada E1C 98 lar, Oncorhynchus tshowytscho, and Solvelinus sp. 9 Rehoberg, B. G. and R. J. F. Smith. THE INFLUENCE OF ALARM SUBSTAN IOAL SIZE ON THE BEHAVIOUR OF ZEBRA DANIOS, BRACHYDANIO RER HDAE). J. Fish Biol. 33(1):155-163, 1988, FR 33(4) Biol., Univ. Saskatchewan, Saskatoon, SN, Canada S7N 0W0] Rehnberg, Bradley G. and R. J. F. Smith. THE REACTION OF PEARL DA , CYPRINIDAE) TO ALARM SUBSTANCE: TIME-COURSE OF BEHAVIOR, BRA AND STRESS PHYSIOLOGY. Can. J. Zool. 65(12):2916-2921. 1987. In English w umm. FR 33(4) Biol., Univ. Saskatchewan, Saskatoon, SN, Canada S7N 0W0] Semotilus margarita Ridgway, Mark S. and J. D. McPhail. RAIDING SHOAL SIZE AND CTION DISPLAY IN MALE STICKLEBACKS (GASTEROSTEUS). Can. J. Zo 1-205. 1988. In English with French summ. FR 33(4) era Fish. Stn., R.R. 4, Picton, ON, Canada KOK 2TO) G. aculeatus. Rowland, William J. AGGRESSION VERSUS COURTSHIP IN THREESPI BACKS AND THE ROLE OF HABITUATION TO NEIGHBOURS. Anim. Beha 8-357, 1988, FR 33(4) Biol., Indiana Univ., Bloomington 47405] Gasterosteus oculeatus. 3 Sargent, Robert Craig; Mart R. Gross and Eric P. Van Den Berghe. MALE MA IN FISHES: A REPLY TO FOOTE. Anim. Behav. 36(4):230-1233. 1988. FR 33(4) Morgan School Biol. Sci., Univ. Ky., Lexington 40506-0225] Gasterosteus aculeat orhynchus klsutch. 4 Savitz, Jan. ANALYSES OF THE BEHAVIORAL BASES FOR LAKE MICHIG. ID PREY SELECTION, Int. Assoc. Great Lakes Res. Conf. 30:A-52, 1987. Abstra 33(4) Dep., Loyola Univ., 6525 N. Sheridan Rd., Chicago, IL 60626) Oncorhynch O. tshawytscha, and Alosa pseudoharengus. 5 Scapini, Felicita. HEREDITY AND LEARNING IN ANIMAL ORIENTATION. Mon of, 22(2):203-234, 1988. In English with Italian summ. FR 33(4)

TUNS OF DIAURUMOUS FISHES. Am. Fish, Soc. Symp, 1:377-388. 1987. FR 33(4)

- 88-004285 CONTINUED
- [Dip. Biol. Anim. Genet. Univ., Via Romana 17, 50125 Firenze, golrdneri, and Oncorhynchus nerka.
- 88-004286 Shapiro, Douglas Y. VARIATION OF GROUP COMPOS STRUCTURE WITH GROUP SIZE IN A SEX-CHANGING FISH. Anim.
 - [Dep. Mar. Sci., Univ. Puerto Rico, Mayaguez 00708] Anthlas squam
- 88-004287 Sigismondi, Linda A. and Lavern J. Weber. CHANG RESPONSE TIME OF JUVENILE CHINOOK SALMON EXPOSED TO HANDLING STRESSES. Trans. Am. Fish. Soc. 117(2):196-201. 1988. FI [Dep. Nat. Sci., Salem Coll., Salem, WV 26426] Oncorhynchus tshaw,
- 88-004288 Smith, Gerald R. FISH BEHAVIOR AND REWORKIN SEDIMENTS, Int. Assoc. Great Lakes Res. Conf. 30: A-55, 1987. Abstra [Mus. Paleontol., Univ. Mich., Ann Arbor 48109]
- Swales, S.; F. Caron; J. R. Irvine and C. D. Leving HABITATS OF COHO SALMON (ONCORHYNCHUS KISUTCH) AND SALMONIDS IN THE KEOGH RIVER SYSTEM, BRITISH COLUMBIA. Can 261, 1988. In English with French summ. FR 33(4)
- [Dep. Biol. Sci., Univ. Waikato, Hamilton, New Zealand] Salmo g Salvelinus malma, and Gasterosteus aculeatus in Canada. 88-004290
- Torricelli, P.; S. Parmigiani; M. Lugli and G. Ga AGGRESSION IN PADOGOBIUS MARTENSI (GUNTHER) (PISCES GOBI SIZE AND PRIOR RESIDENCE. Monit. Zool. Ital. 22(2):121-131, 1988. In [Ist, Zool, Univ., Via Universita 12, I-43100 Parma, Italy]
- Trendall, J. THE DISTRIBUTION AND DISPERSAL OF INT THUMBI WEST ISLAND IN LAKE MALAWI, AFRICA. J. Fish. Biol. 33(3 [CSIRO Div. Fish. Res., Bungalow P.O., Cairns, Old. 4870, Austr Joanfohnsonae, M. parallelus, Pseudotropheus microstoma, P. aurora, and
- Tulley, J. J. and F. A. Huntingford. ADDITIONAL INFO RELATIONSHIP BETWEEN INTRA-SPECIFIC AGGRESSION AND BEHAVIOUR IN THE THREE-SPINED STICKLEBACK, GASTEROST
 - [Huntingford: Dep. Zool., Univ. Glasgow, Glasgow G12 8QQ, Scotland]
- 88-004293 Urban, Timothy P. and Stephen B. Brandt. RESOURCE F JUVENILE SMELT (OSMERUS MORDAX) AND JUVENILE A PSEUDOHARENGUS) IN LAKE ONTARIO. Int. Assoc. Great Lakes Res. Co [SUNY-ESF, Illick Hall, Syracuse, NY 13210]

5 Wahl, David H. and Roy A. Stein. SELECTIVE PREDATION BY THREE ESOCILE OF PREY BEHAVIOR AND MORPHOLOGY. Trans. Am. Fish. Soc. 117(2):142-133(4). Fish & Wildl. Res. Unit & Dep. Zool., Ohio State Univ., 1735 Neil Ave., Column

SOMA NIGROFASCIATUM (CICHLIDAE, PISCES). Anim. Behav. 36(1):11-19. 1

Zool., Univ. Wis., Madison 537061

**Imephales prometas, Dorosoma cepedianum, Lepomis macrochirus, Esox lucius, squinongy in Ohio.

6 Walsh, Michael T.; Deke Beusse; Gregory D. Bossart; W. Glenn Young; D. Land Geoffrey W. Patton. RAY ENCOUNTERS AS A MORTALITY FACTOR

TC BOTTLENOSE DOLPHINS (TURSIOPS TRUNCATUS), Mar. Mamm. Sci. 4(2): 8. FR 33(4) From the state of the state of

NMENTS. Am. Fish. Soc. Symp. 1:254-261. 1987. FR 33(4)
Aeronautical Eng., Technion-Israel Inst. Technol., Haifa 32000, Israel]
STORY-GENERAL WORKS

18 Bagdovitz, Mark Steven. ECOLOGY AND LIFE HISTORY OF PINK SALM. HYNCHUS CORBUSCHA) IN SELECTED MICHIGAN TRIBUTARIES TO LADR. M.S. Thesis, Mich. State Univ. 74p. 1985. From Masters Abstr. Int. 24(1): 3 33(4)

19 Barbour, S. E. VARIATION IN LIFE HISTORY, ECOLOGY, AND RESOUF ATION BY ARCTIC CHAR IN SCOTLAND. Am. Fish. Soc. Symp. 1:557. 16 t only. FR 33(4)

Fish. 6 Oceans, P.O. Box 550, Stn. M, Halifax, NS, Canada B3J 2S7] Salvell,

30 Beckley, Lynnath E. NOTES ON THE BIOLOGY OF JUVENILE SPAROL
NENSIS (PISCES: SPARIDAE) FROM TIDAL POOLS IN THE EASTERN CAPE, SOU

. S. Afr. J. Zool. 23(1):66-68. 1988. In English with Africaans summ. FR 33(4)
Dep., Univ. Cape Town, Rondebosch 7700, South Africa]

11 Beecher, Hal A.; Erlc R. Dott and Robert F. Fernau, FISH SPECIES RICHNI

D1 Beecher, Hal A.; Eric R. Dott and Robert F. Fernau, FISH SPECIES RICHNI REAM ORDER IN WASHINGTON STATE STREAMS. Environ. Biol. Fishes 22(3):138. FR 33(4)

1. Dep. Wildl., 600 N. Capitol Way, Olympia 98504] Salmo, Salvelinus, and Cot

. Dep. Wildl., 600 N. Capitol Way, Olympia 98504] Salmo, Salvelinus, and Co

32 Bok, A. H. LIFE HISTORY ASPECTS OF THE SOUTH AFRICAN CATADROMO
7. Am. Fish. Soc. Symp. 1:552, 1987. Abstract only, FR 33(4)

inda Nat. Conserv. Stn., P.O. Box 12043, Amalinda, East London 5252, Son Myxus capensis.

88-004303 Bowen, Charles A. II and Ralph M. Stedman, DISTRIB BIOLOGY OF THREESPINE STICKLEBACK (GASTEROSTEUS ACT LAKE MICHIGAN. Int. Assoc. Great Lakes Res. Conf. 30: A-6. [U.S. Fish & Wildl. Cent., Natl. Fish. Cent.-Great Lakes, 145 MI 481051 Bruton, Michael N.; Anton H. Bok and Martin T. T. STYLES OF DIADROMOUS FISHES IN INLAND WATERS OF SOUTH Soc. Symp. 1:104-121. 1987. FR 33(4) [J.L.B. Smith Inst. Ichthyol., Grahamstown 6140, South Afri lablata, A. bicolor bicolor, A. marmorata marmorata, A. mossambica 88-004305 Cailliet, Gregor M.; Edwin K. Osada and Michael Moser

OF SABLEFISH IN MONTEREY BAY. Callf. Fish Game 74(3): 132-153. [Moss Landing Mar. Lab., P.O. Box 450, Moss Landing, CA 95039

Denton, N. R. and R. van der Elst. THE SQUARET PROFILE. Ocean. Res. Inst. (Durban) Poster No. 3. 1987. Pres Oceanographic Symposium, University of Stellenbosch, Stellenbosc Argyrosomus thorpel.

Oceanogr. Res. Inst., P.O. Box 10712, Marine Parade, Durb 88-004307 Dillinger, R. E., Jr.; J. M. Green and T. P. Birt. PREL LIFE HISTORY STRATEGIES IN NORTHERN FISHES WITH SPECIAL SPECIES OF CISCOES. Am. Fish. Soc. Symp. 1:557. 1987. Abstract [Dep. Biol., Memorial Univ., St. John's, NF, Canada A1B 3X9] C autumnalis, and C. sardinella.

Eriksson, T.; L.-O. Eriksson and H. Lundqvist. ADA LIFE HISTORY TACTICS OF MATURE MALE BALTIC SALMON PARR I SIZE AND ENVIRONMENT. Am. Fish. Soc. Symp. 1:236-243. 1987. FR [Dep. Ecol. Zool., Univ. Umea, S-901 87 Umea, Sweden] Salmo salai

[Oceanogr. Res. Inst., P.O. Box 10712, Marine Parade, Durban 405 88-004310 Griffin,

88-004309 Garratt, P. A. LIFE HISTORY AND STATUS CHRYSOBLEPHUS PUNICEUS (FAM. SPARIDAE). Ocean. Res. Inst. (1987. Presented at Sixth National Oceanographic Symposium, Univ.

Roland K. LIFE HISTORY, DISTRIBUTIO

MIGRATION OF BARRAMUNDI IN THE DALY RIVER, NORTHERN TER

Am. Fish. Soc. Symp. 1:358-363. 1987. FR 33(4)

[Dep. Ind. & Dev., P.O. Box 4160, Darwin, N.T. 5794, Australia]

88-004311 Haro, A. J. PIGMENTATION, SIZE, AND UPSTREAM MI AND YOUNG AMERICAN EELS IN A COASTAL RHODE ISLAND STR [Dep. Zool., Univ. R.I., Kingston 0200

x lucius.

4313

/ROGASTER NORMAN 1930 (TELEOSTEL, BATHYLAGIDAE). Invest. Pesq. 51(4) 1987. In English with Spanish summ. FR 33(4) pol. Inst. Mus., Martin-Luther-King-Platz 3, 2000 Hamburg 13, Wost Germany]

Hermes, R. and M. P. Olivar, LARVAL DEVELOPMENT OF BATHYL

NTH AND REPRODUCTION OF THE BARBEL, BARBUS SCLATERI (GUNTHER, 1868 RST-ORDER STREAM IN SOUTHERN SPAIN. J. Fish. Biol. 33(3):371-381. 1988 RCC. Zool., Dep. Biol. Anim., Fac. Cienc., Univ. Cordoba, 14004 Cordoba, Spain]

4314 Herrera, M.; J. A. Hernando; C. Fernandez-Delgado and M. Bellido.

4315 Jellyman, D. J. REVIEW OF THE MARINE LIFE HISTORY OF AUSTRALA ERATE SPECIES OF ANGUILLA. Am. Fish. Soc. Symp. 1:276-285. 1987. FR 33(4) sh. Res. Div., Minist. Agric. & Fish., P.O. Box 8324 Riccarton, Christchurch,

nd] A. dieffenbachii, A. australis australis, and A. a. schmidtii.

4316 Jennings, Dawn P. BIGHEAD CARP (HYPOPHTHALMICHTHYS NOBI OGICAL SYNOPSIS. U.S. Fish Wildi. Serv. Biol. Rep. 88(29):47p. 1988. Available

Fish Wildl. Serv., Publ. Unit, Matomic Bldg., Rm. 148, Washington, DC 20240 S. Fish Wildl. Serv., Natl. Fish. Res. Cent., Gainesville, FL 32606]

. rish Wildi. Serv., Nati. Fish. Res. Cent., Gainesville, FL 32006

4317 Jonsson, B.; S. Skulason; S. S. Snorrason; O. T. Sandlund; H. J. Malmo, Jonasson; R. Gydemo and T. Lindem. LIFE HISTORY VARIATION OF POLYMOR TIC CHARR (SALVELINUS ALPINUS) IN THINGVALLAVATN, ICELAND. Can. J.

t. Scl. 45(9):1537-1547. 1988. In English with French summ. FR 33(4) r. Nat. Manage., Fish Res. Div., Tungasletta 2, N-7004 Trondheim, Norway)

4318 Karp, W. A.; P. Nealson; D. J. Lispi and Q. Ross. BEHAVIOR OF AU BACK HERRING MIGRATING UPSTREAM THROUGH LOCK 2 OF THE ERIE CANAL. Soc. Symp. 1:556. 1987. Abstract only. FR 33(4) oSonics, Inc., 4520 Union Bay Place NE, Seattle, WA 98105] Alosa aestivalis in

oc. Symp. 1:356. 1987. Abstract only. FR 33(4) Sonics, Inc., 4520 Union Bay Place NE, Seattle, WA 98105] *Alosa aestivalis* i

4319 Kinzie, Robert A. III. HABITAT UTILIZATION BY HAWAIIAN STREAM FI REFERENCE TO COMMUNITY STRUCTURE IN OCEANIC ISLAND STREAMS. Env Fishes 22(3):179-192, 1988. FR 33(4)

risnes 22(3):179-192. 1986. FR 33(4)
Fol. Dep. & Water Resour. Res. Cent., Univ. Hawall, Honolulu 96822] Avneus, Sicyopterus stimpsoni, and Lentipes concolor.

4320 Krishnamoorthi, B. and I. Jagadis. BIOLOGY AND POPULATION DYNAMIC GREY DOGSHARK, RHIZOPRIONODON (RHIZOPRIONODON) ACUTUS (RUPPELL) RAS WATERS, Loglon I. Elsh. 33(4):371-385, 1986, FR 33(4)

RAS WATERS. Indian J. Flsh. 33(4):371-385. 1986. FR 33(4) ant. Mar. Fish. Res. Inst. Cent., Madras-600105, India]

[Ontario Minist. Nat. Res., P.O. Box 50, Maple, ON, Canada LOJ 1 gor buscha 88-004322 Lossch, Joseph G. OVERVIEW OF LIFE HISTORY ASPECTS ALEWIFE AND BLUEBACK HERRING IN FRESHWATER HABITATS. Am. [Inst. Mar. Sci., School Mar. Sci., Coll. William & Mary, Gloucester Alosa aestivalis and A. pseudoharengus in Canada and the United States. 88-004323 Low, Alice Fusfeld and Lee W. Miller. 1984 STRIPED BASS SURVEY IN THE SACRAMENTO-SAN JOAQUIN ESTUARY. Interagency Sacramento-San Joaquin Estuary Tech. Rep. 11, 41p. 1986, FR 33(4) 88-004324 Macer, C. T. and M. W. Easey. THE NORTH SEA COD AN FISHERY. MAFF Dir. Fish. Res. Lab. Leafl. No. 61, 22p. 1988, FR 33(4) [MAFF, Dir. Fish. Res., Fish. Lab., Lowestoft, Suffolk NR33 OHT, 88-004325 Meadows, Robin and Ivan Meadows. BREEDING THE BEAU GUDGEON. Trop. Fish Hobbyist 36(11):30-32, 35, 1988. FR 33(4)

Mohan, Madan; C. S. Gopinatha Pillai and K. K. Kunhikoya. E BLUEPULLER, CHROMIS CAERULEUS (CUVIER), FROM MINICOY ATOLL. [Cent. Mar. Fish. Res. Inst., Cochin-682031, India] 88-004327 Moran, David. SPECIES PROFILES: LIFE HISTORIES AND E REQUIREMENTS OF COASTAL FISHES AND INVERTEBRATES (GULF OF SNAPPER. U.S. Fish Wildl. Serv. Biol. Rep. 82(11.83):20p. 1988. Available wildle Same North Maria Dec. 1988. Available 1988.

& Wildl. Serv., Natl. Wetlands Res. Cent., 1010 Gause Blvd., Slidell, LA 70. [U.S. Fish & Wildl. Serv., Natl. Wetlands. Res. Cent., 1010 Gause Bl

88-004328 Notarbartolo-di-Sciara, Giuseppe. NATURAL HISTORY OF THE GENUS MOBULA IN THE GULF OF CALIFORNIA. U.S. Natl. Mar. Fish. Se [Mus. Civ. Stor. Nat., Venezia 55, 20121 Milano, Italy]

88-004329 Orey, Cal. THE AROWANA ATTRACTION. Trop. Fish Hobbyls Osteoglossum ferreiral and O. bicirrhosum.

88-004330 Piken, Harry, JULIDOCHROMIS DICKFELDI, Trop. Fish Hobbyis

PANGASIUS (HAMILTON) OF THE NAGARIIMASSOAD DESC

Ramakrishniah, N. STUDIES ON THE FISHERY AND BIOLOGY

AULIS ENCRASICOLUS (LINNAEUS, 1758), WITHIN MIRA ESTUARY (PORTU t. Pesq. 51(4):581-598, 1987. In English with Spanish summ. FR 33(4) p. Zool. & Antropol. Fac. Cienc., Univ. Lisboa, Bloco C2-Piso 3-Campo Grande n, Portugal) 1333 Reid, Stewart B. BIOLOGY OF THE STRIPED CATFI DOPLATYSTOMA FASCIATUM AND P. TIGRINUM, IN THE APURE RIVER DRAIL ZUELA. Poc. Sci. 42(1-2):129, 1988. Abstract only. FR 33(4) p. Oceanogr., Univ. Hawaii, Honolulu] 4334 Saitoh, Kenji; Osamu Katano and Akio Koizumi. [MOVEMENT AND SPAWNIS RAL FRESHWATER FISHES IN TEMPORARY WATERS AROUND PADDY FIELDS.] of, 38(1):35-47. 1988. In Japanese with English summ. FR 33(4) p. Fish., Fac. Agric., Kyoto Univ., Kyoto 606, Japan] 1335 Sands, David. THE CHALLENGE OF BREEDING BROCHIS. Trop. Fish Hol 1:22-24, 26, 1988, FR 33(4) britskil, B. spiendens, B. coerleus, and B. multiradiatus. 4336 Seigel, Jeffrey A. AMERICAN ELASMOBRANCH SOCIETY SYMPOSIUM. (3) 719. 1988. FR 33(4) ct. Fish., Nat. Hist. Mus. Los Angeles Cty., Los Angeles, CA 90007] Selected p ed in this issue of Fisheries Review.

4337 Selgeby, James H. COMPARATIVE BIOLOGY OF THE SCULPINS OF RIOR: J. Great Lakes Res. 14(1):44-51, 1988, FR 33(4) S. Fish & Wildl. Serv., Natl. Fish. Res. Cent., Ashland Biol. Stn., Ashland Cottus cognatus, C. ricel, and Myoxocephalus thompsonl. 4338 Staude, Heinz. A STRIKING NEW GOBY. Trop. Fish Hobbylst 36(10):5 FR 33(4) phodon sp. and Hypseleotris guentherl in Vanuatu.

4339 Stevens, Donald E.: Harold K. Chadwick and Richard E. Painter. AMER AND STRIPED BASS IN CALIFORNIA'S SACRAMENTO-SAN JOAQUIN RIVER SYS ish. Soc. Symp. 1:66-78, 1987, FR 33(4) p. Fish & Game, Bay-Delta Fish, Project, Stockton, CA 95205] Aloso sapidissimo e saxatilis. 4340 Tachihara, Katsunori and Seiro Kimura. [SOME NOTES ON THE O ERED AYU *PLECOCLOSSUS ALTIVELIS* IN LAKE IKEDA. KAGOSHIMA PREFECTU

in Sulsan Gokkalshi 54(7):1107-1113. 1988. In Japanese with English summ. FR 33(b. Fish. Environ. Sci., Fac. Agric., Kyushu Univ., Higashi, Fukuoka 812, Japan

Thorpe, J. E. SMOLTING VERSUS RESIDENCY: DEVELOPMENTAL CONFLIC 43-11 ONIDS Am. Fish. Soc. Symp. 1:244-252, 1987, FR 33(4) eshwater Fish, Lab., Pitlochry PHI6 5LB, Scotland)

- 88-004343 Vasilyeva, E. D. [REDESCRIPTION, MORPHO-ECOLOGIC AND DISTRIBUTION OF COBITIS GRANOFI (TELEOSTEI, COLOGIC) 67(7):1025-1037. 1988. In Russian with English summ. FR 33(4) [Zool. Mus., Moscow State Univ., USSR]
- 88-004344 Vostradovsky, J. ALESTES IMBERI PETERS, 1852 (FAMI THE CAHORA BASSA RESERVOIR (ZAMBEZI, AFRICA). Pr. Vodn. [Vyzkumny ustav rybarsky & hydrobiol., Vodnany pracoviste Do Vitavou, Czechoslovakia)
- Zama, Akira. [BIOLOGICAL OBSERVATIONS ON SEA-RU FIORDO AYSEN, SOUTHERN CHILE (PISCES: SALMONIDAE).] Rev. 213. 1987. In English with Spanish summ. FR 33(4) [Miyagi-ken Fish. High School, 1-24 Udagawa-cho, Ishinomaki Cit 986-21, Japan] Solmo trutto.
- 88-004346 Zhul'kov, A. I. and S. N. Nikiforov. SOME DATA ON TH BIOLOGY OF THE BITTERLING RHODEUS SERICEUS, OF THE TYM' RIV lchthyot. (Engl. Transt. Vopr. Ikhtiol.) 27(6):120-124. 1987. FR 33(4) [Sakhalin Sect., Pac. Ocean Sci.-Res. Inst. Fish. & Oceanogr.
- POPULATION STUDIES, PRODUCTION, RECRUITMENT, ETC.
- 88-004347 Balber, Stephen J. M. FACTORS AFFECTING RECRUITMENT MUGILIDS IN ESTUARIES AND COASTAL WATERS OF SOUTHEASTERN (CSIRO Div. Fish. Res., P.O. Box 120, Cleveland, Qld. 4163, Australi
- Berra, Tim M. SPECULATIONS ON THE EVOLUTION TACTICS OF THE AUSTRALIAN GRAYLING. Am. Fish. Soc. Symp. 1
 - [Dep. Zool., Ohio State Univ., Mansfield 44906] Prototroctes maraena in
- Broad, Kelvin John. POPULATION DYNAMICS OF JUVENIL WYE RIVER SYSTEM. Ph.D. dissertation, Univ. Wales 227p. 1987. From D
- 88-004350 Chadwick, E. Michael P. CAUSES OF VARIABLE RECRUITM ATLANTIC SALMON STOCK. Am. Fish. Soc. Symp. 1:390-401. 1987. FR 3: (Fish. Res. Branch, Gulf Region, Dep. Fish. & Oceans, Moncton, NB,

Eviron, Prot., Mar. Fish. Office, P.O. Box 248, Waterford, CT 06385] Al simo in Connecticut. 52 Fullerton, E. C. and Melvyn W. Odemar. DEVELOPMENT OF FISHE EMENT STRATEGIES FOR NORTHERN ANCHOVY. In: Allocation of Fish ces. John H. Grover, editor, p. 119-128, 1980. In English with French summ. Fish & Game, Sacramento, CA 95814] Engraulis mordax in California. 53 Giles, Nick. NATIVE BROWN TROUT, Game Conserv. Annu. Rev. No. 47, 1987, FR 33(4) trutta in Great Britain. 54 Kocik, John F. and William W. Taylor. EFFECT OF FALL AND WINT AM FLOW ON YEAR-CLASS STRENGTH OF PACIFIC SALMON EVOLUTIONAR ED TO EARLY FRY OUTMIGRATION: A GREAT LAKES PERSPECTIVE. Am. FL mp. 1:430-440, 1987, FR 33(4) Fish. & Wildl., Mich. State Univ., East Lansing 48824] Oncorhynchus nerka, ho, and O, keta. 55 Lorda, Ernest and Victor A. Crecco, STOCK-RECRUITMENT RELATIONS! OMPENSATORY MORTALITY OF AMERICAN SHAD IN THE CONNECTICUT RIVE h. Soc. Symp. 1:469-482, 1987, FR 33(4) hoast Utilities Serv. Co., Environ. Programs Dep., P.O. Box 270, Hartford, Alosa sapidissima in Connecticut. 56 Miller, Thomas J.; Larry B. Crowder; James A. Rice and Elizabeth A. Marsch SIZE AND RECRUITMENT MECHANISMS IN FISHES: TOWARD A CONCEPTU *ORK. Can. J. Fish. Aquat. Sci. 45(9):1657-1670, 1988, FR 33(4) Zool., N.C. State Univ., Raleigh 27695-7617] Moriarty, Christopher, FACTORS INFLUENCING RECRUITMENT OF T 57 FIC SPECIES OF ANGUILLID EELS. Am. Fish. Soc. Symp. 1:483-491. 1987. FR 33(Mar. Fish. Res. Cent., Abbotstown, Castleknock, Dublin 15, Ireland) Angu. 58 Peterman, Randall M. REVIEW OF THE COMPONENTS OF RECRUITMENT C SALMON. Am. Fish. Soc. Symp. 1:417-429, 1987. FR 33(4) Res. Manage. Program, Simon Fraser Univ., Burnaby, BC, Canada V5A 19 inchus spp. 99 Post, John Robert. SIZE-DEPENDENT PROCESSES IN YELLOW PER TMENT. Ph.D. dissertation, York Univ. (Canada). 1987. From Diss. Abstr. Int. a. 49(1):55-56, 1988, FR 33(4) flavescens. Rago, Paul J. and C. Phillip Goodyear, RECRUITMENT MECHANISMS 30

D BASS AND ATLANTIC SALMON: COMPARATIVE LIABILITIES OF ALTERNATI

STORIES, Am. Fish. Soc. Symp. 1:402-416, 1987, FR 33(4)

E MALKICKA SHAD. THE CRITICAL PERIOD KAD BIXTCH MUSIK FOR THE

MINED. Am. Fish. Soc. Symp. 1:455-463, 1987, FR 33(4)

- IU.S. Fish & Wildl. Serv., Natl. Fish. Cent.-Leetown, Box 700, Kear Salmo salar and Morone saxatilis.
- 88-004361 Rothschild, B. J. and Gerard T. DiNardo. COMPARISON VARIABILITY AND LIFE HISTORY DATA AMONG MARINE AND ANADRO [Univ. Md., Cent. Environ. & Estuarine Studies, Chesapeake Biol. Lab
- 88-004362 Schmid, Thomas H.; Llewellyn M. Ehrhart and Franklin F. S ON THE OCCURRENCE OF RAYS (ELASMOBRANCHII, BATOIDEA) IN LAGOON SYSTEM, FLORIDA. Fla. Sci. 51(2):121-128. 1988. FR 33(4) [Dep. Biol. Sci., Univ. Cent. Fla., Orlando 32816] Dasyatis america sayl, Gymnura micrura, Rhinoptera bonasus, Aetobatus narinari, and Mob
- Somasekharan Nair, K. V. and A. A. Jayaprakash. A NOTE FISHERY FOR THREADFIN BREAMS OFF COCHIN. Indian J. Fish. 33(1): 33(4)
- [Cent. Mar. Fish. Res. Inst., Cochin 682031, India] Nemipterus mesoprion.
- Tsukamoto, Katsumi; Rikizo Ishida; Kenji Naka and SWITCHING OF SIZE AND MIGRATORY PATTERN IN SUCCESSIVE G LANDLOCKED AYU. Am. Fish. Soc. Symp. 1:492-508. 1987. FR 33(4) [Ocean Res. Inst., Univ. Tokyo, Nakano-ku, Tokyo, 164 Japan] Plecog. Japan.
- 88-004365 Underwood, Tayis James, DYNAMICS OF THE RAINBOW TROUT THE SOPKANE RIVER, IDAHO. M.S. Thesis, Univ. Idaho 51p. 1987. FR 33(
- 88-004366 Vaughan, Douglas S. and Joseph W. Smith. STOCK ASSESS ATLANTIC MENHADEN, BREVOORTIA TYRANNUS, FISHERY. NOAA (Nati Admin.) Tech. Rep. NMFS (Noti. Mar. Fish. Serv.) No. 63. 18p. 1988. FR 3 [Beaufort Lab., Southeast Fish. Cent., NMFS, NOAA, Beaufort, NC 28516
- 88-004367 Vibert, Richard. [FUTURE PROSPECTS FOR THE ATLANTIC S. SALAR L.).] In: Allocation of Fishery Resources. John H. Grover, edite [Assoc. Int. Defense Saumon Atlantique, 52, Ave. Foch, 64200 Biarritz, Fr.
- 88-004368 Vivekanandan, E. and D. B. James. POPULATION DYNAMICS OF JAPONICUS (BLOCH) IN THE TRAWLING GROUNDS OFF MADRAS. In 33(2):145-154, 1986, FR 33(4)
- [Madras Res. Cent. CMFR Inst., Madras 600105, India]
- 88-004368 Walton, Clement J. PARENT-PROGENY RELATIONSHIP FOR AN POPULATION OF ANADROMOUS ALEWIVES IN A MAINE LAKE. Am. Fish. Soc.

oharengus.

370 West, I. F. and R. H. Goode, AERIAL COUNTS OF SPAWNING ON CONCORHYNCHUS ISHAWYTSCHA) ON THE RAKATA RIVER ERBURY, NEW ZEALAND, 1973-76. N.Z. J. Mar. Freshwater Res. 21(4):563-5

1)

h. Res. Cent., Minist. Agric. & Fish., P.O. Box 297, Wellington, New Zealan

CAL SPECIES OF ANGUILLA IN RESERVOIRS IN SOUTH-EASTERN SRI LAN WINARY DATA ON THE POPULATIONS. Aquacult. Fish. Manage. 19(4):377-3. 41) t. Freshwater Res., S-170 11 Drottningholm, Sweden] A. bicolor and A. nebu

Wickstrom, H. and O. Enderlein. NOTES ON THE OCCURRENCE

372 Wright, Rosalind. PIKE POPULATION DYNAMICS. Came Conserv. And . р. 141-144, 1987, FR 33(4) Lucius in Great Britain.

ING HABITS AND MOVEMENTS, FECUNDITY, ETC.

371

\$73 Baccante, Dominic A. and David M. Reid. FECUNDITY CHANGES ITED WALLEYE POPULATIONS. N. Am. J. Fish. Manage. 8(2):199-209. 1

st. Nat. Resour., Fish. Res., Walleye Unit, P.O. Box 5000, Thunder B P7C 5G6] Stitostedion vitreum in Canada.

174 Bromage, N. R.; J. Duston and C. Randall, ENDOGENOUS CIRC AND THEIR ENTRAINMENT BY PHOTOPERIOD IN THE TIME DUCTION IN THE RAINBOW TROUT (SALMO GAIRDNERI), J. Interdispl. Cy 64-165, 1988, Abstract only, FR 33(4) Cult., Aston Univ., Birmingham B4 7ET, England)

75 Chapman, D. W. CRITICAL REVIEW OF VARIABLES USED TO DEFINE E ES IN REDDS OF LARGE SALMONIDS. Trans. Am. Fish. Soc. 117(1):1-21. 1

Chapman Consult., Inc., 3180 Airport Way, Boise, ID 83705] Oncorhynchus s iairdneri.

76 Clark, Eugenie; Joan S. Rabin and Susan Holderman. REPROD IOR AND SOCIAL ORGANIZATION IN THE SAND TILEFISH, MALAC. RI. Environ. Blot. Fishes 22(4):273-286. 1988. FR 33(4) . Zoof., Univ. Md., College Park 20742]

77 DeMartini, Edward E. SPAWNING SUCCESS OF THE MALE PL PMAN. I. INFLUENCES OF MALE BODY SIZE AND AREA OF SPAWNING S ar. Blol. Ecol. 121(2):177-192, 1988, FR 33(4)

Rev. Comm. Res. Cent., 531 Encinitas Blvd., Suite 105, Encinitas, CA hys notatus in Washington.

COMBEROMORUS LINEOLATUS (CUVIER & VALENCIENNES), IN THE GULF OF AND PALK BAY. Indian J. Fish. 33(3):293-319. 1986. FR 33(4) [Cent. Inst. Fish. Educ., Versova, Bombay-400061, India] 8-004379 El Gamal, Abdel Rahman Abdel Latif. REPRODUCTIVE PERFORMANO ATIOS, GONADAL DEVELOPMENT, COLD TOLERANCE, VIABILITY AND GROWTH ND NORMALLY PIGMENTED HYBRIDS OF TILAPIA AUREA and T. NILOTICA. Issertation, Auburn Univ. 126p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(2):28 8-004380 Foote, Chris J. and Peter A. Larkin. THE ROLE OF MALE CHOICE I SSORTATIVE MATING OF ANADROMOUS AND NON-ANADROMOUS SOCKEYE S 3-004380 ONCORHYNCHUS NERKA). Behaviour 106(1-2):43-62. 1988. In English with French [Pac. Biol. Stn., Nanaimo, BC, Canada V9R 5K6] -004381 Foote, Chris J. MALE MATE CHOICE DEPENDENT ON MALE SIZE IN SA Phavlour 106(1-2):63-80, 1988, in English with French summ. FR 33(4) [Pac. Biol. Stn., Nanaimo, BC, Canada V9R 5K6] Oncorhynchus nerka in Canada. -004382 Goyette, Daniel; Sylvie Guenette; Nelson Fournier; Jean Leclerc; Gilles Pean Fortin and Pierre Dumont. [SEXUAL MATURITY AND REPRODUCTIVE PERIODIC FEMALE LAKE STURGEONS (ACIPENSER FULVESCENS) FROM THE SAINT LAUR VER.] Que, Minist. Chasse Pech. Rapp. Trav. 06(02)84p. 1988. In French with Er [Dep. Sci. Biol., Univ. Quebec, C.P. 8888, Montreal, PQ, Canada H3C 3P8] -004383 Heggberget, T. G.; T. Haukebo; J. Mork and G. Stahl. TEMPORAL ATIAL SEGREGATION OF SPAWNING IN SYMPATRIC POPULATIONS OF ATLAI LMON, *SALMO SALAR* L., AND BROWN TROUT, *SALMO TRUTTA* L. *J. Fish*. Dir. Nat. Manage., Res. Div., Tungasletta 2, N-7004, Trondheim, Norway] Heinrich, J. W.; M. F. Fodale and E. L. Rice. POPULATION ESTIMATING AWNING-PHASE SEA LAMPREYS IN LAKE SUPERIOR. Int. Assoc. Great Lakes Res. C U.S. Fish & Wildl. Serv., Marquette, MI 49855] Petromyzon marinus. 004385 Horns, W. H.; N. P. Holm; L. Smith and R. Horrall, LAKE TROUT SPAWN BITAT AND EGG DEPOSITION STUDIES ON JULIAN'S REEF, LAKE MICHIGAN. oc. Great Lakes Res. Conf. 30:A-29, 1987. Abstract only. FR 33(4) Nat. Hist. Surv., P.O. Box 634, Zion, IL 60099] Salvelinus namaycush. 204386 Jakupsstovu, Stein Hjalti and Tore Haug. GROWTH, SEXUAL MATURATION SPAWNING SEASON OF ATLANTIC HALIBUT, HIPPOGLOSSUS HIPPOGLOSSUS, 1988. FR 33(4) ishirannsoknartovan, Debesartroo, 3800 Torshavn, Faroe Islands) WAING OF THE FISHES OF THE THE BARRAGEN STUDIES ON THE MATURATION OF

- NDENS (CUVIER) AT PORTO NOVO. Indian J. Fish, 33(2):171-179. 198 II. Fish., Mangalore 575002, India]
- Johnston, Carol E. and William S. Birkhead. SPAWNING IN ER. NOTROPIS ZONISTIUS (PISCES CYPRINIDAE). J. Ala. Acad. S FR 33(4)
- pt. Faunistic Surv. & Insect Identification, Nat. Hist. Surv., 607 E paign, IL 618201 Compostoma pauciradil and Nocomis leptocephalus.
- 1390 Keenleyside, Miles H. A. and Helene M. C. Dupuis. COURTSHIP ETITION IN PINK SALMON (ONCORHYNCHUS GORBUSCHA). Con. J.
- 989. In English with French summ. FR 33(4) Zool., Univ. Western Ontario, London, ON, Canada N6A 5B71.
- Kleckner, Robert C. and James D. McCleave. THE NORTH TING BY ATLANTIC EELS (ANGUILLA SPP.) IN THE SARGASSO SE HERMAL FRONTS AND SURFACE WATER MASSES. J. Mar. Res. 46(3) 4) Epidemiol., C87400, Univ. N.C., Chapel Hill 27599 | A. rostrota and
- 391 Kurokawa, Tadahide; Hiroshi Kojima and Kanji Nakajima. (M.
- TH OF HATCHERY-REARED MASU SALMON LONCORHYNCHUS MASO do Fish Hatchery No. 42, p. 45-52, 1987. In Japanese with English sur :kaido Fish Hatchery, Hokkaido, Japan)
- Lapina, N. N. [THE BIOLOGY OF REPRODUCTION OF ALBUR 393 FROM KOPORSKAYA GUBA OF THE GULF OF FINLAND. | BIOL. ·47-51, 1988, In Russian with English summ. FR 33(4)
- Lazarus, S. and K. Nandakumaran. SOME OBSERVATIONS OF PAWNING BEHAVIOUR OF THE COMMON PEARLSPOT IN THE POLYE AT CALICUT, Indian J. Flsh, 33(3):365-370, 1986, FR 33(4) t. Mar. Fish. Res. Inst. Cont., Calicut, India) Etropius suratensis.
- Li Chenghua. | A COMPARISON OF FECUNDITY OF SPRING ING GROUPS OF TRICHIURUS HAUMELA (FORSKAL) FROM THE EAS 1. I.Imnol. Sin. 19(2):116-124, 1988. In Chinese with English summ. Fi
- . Oceanol., Acad. Sinica, Qingdao, China] 96 Lisovenko, L. A. and G. P. Zakharov. ON THE FECUNDITY O
- Union Sci.-Res. Inst. Mar. Fish. & Oceanogr. -- VNIRO, Moscow, US

LASSFISH, CHAMPSOCEPHALUS GUNNARI, IN THE REGION OF SI 1. J. Ichthyol. (Engl. Transi. Vopr. Ikhtial.) 27(6):131-134. 1987. FI

97 Maddux, Henry R. and William G. Kepner. SPAWNING OF BLUEH CREEK, ARIZONA (PISCES: CATOSTOMIDAE). Southwest. Not. R 33(4)

FISHERIES REVIEW

- SPAWNING HABITS AND MOVEMENTS, FECUNDITY, ETC. (CONTINL
- 88-004397 CONTINUED [Parks & Wildl. Dep., P.O. Box 8, Seabrook, TX 77586] Pantosteus
- 88-004398 Myrberg, Arthur A., Jr.; W. Linn Montgomery and REPRODUCTIVE BEHAVIOR OF ACANTHURUS NIGROFUSCUS (FC SURGEONFISHES (FAM. ACANTHURIDAE) OFF EILAT, ISRAEL (G SEA). Ethology 79(1):31-61. 1988. FR 33(4)
- [Rosenstiel School Mar. & Atmos. Sci., Univ. Miami, 4600 Rickenba FL 33149] Ctenochaetus striatus and Zebrasoma xanthurum.
- 88-004399 Nakashima, Brian S. REGIONAL AND TEMPORAL VARIAT OF CAPELIN IN NEWFOUNDLAND WATERS. Trans. Am. Fish. Soc. 116 [Sci. Branch, Dep. Fish. & Oceans, P.O. Box 5667, St. John's, N Mallotus villosus.
- 88-004400 Noltie, Douglas B. and Daniel R. C. Robilliard. OBS SUMMER SPAWNING ACTIVITIES BY THE SEA LAMPREY, PETROMYZO CARP RIVER, EASTERN LAKE SUPERIOR. Can. Field-Nat. 101(4):599-[Dep. Zool., Univ. Guelph, Guelph, ON, Canada N6A 5B7]
- 88-004401 Palicka, Jiri. BARBODES ABLABES--THE LONG-STRIPED Hobbylst 37(1):32-34. 1988. FR 33(4)
- 88-004402 Peck, James W. FECUNDITY OF HATCHERY AND WILD LA SUPERIOR. J. Great Lakes Res. 14(1):9-13. 1988. FR 33(4) [Marquette Fish. Stn., 488 Cherry Creek Rd., Marquette, M namaycush
- 88-004403 Sargent, R. C. PATERNAL CARE AND EGG SURVIVAL BO CLUTCH SIZE IN THE FATHEAD MINNOW, PIMEPHALES PROMELAS. Bei [Behav. & Evol. Ecol. Res. Group, T.H. Morgan School Biol. Sci., Ur 40506-0225]
- 88-004404 Sikkel, Paul C. FACTORS INFLUENCING SPAWNING SITE C GARIBALDI, HYPSYPOPS RUBICUNDUS (PISCES: POMACENTRIDAE).
- [Dep. Zool., Oreg. State Univ., Corvallis 97331] SIY, Peter G. QUALITY OF LAKE TROUT SPAWNING HAB Great Lakes Res. Conf. 30: A-55. 1987. Abstract only. FR 33(4)
- [Natl. Water Res. Inst., CCIW, Box 5050, Burlington, ON, Canada L7 namaycush in Canada, 88-004406 Stewart,
- OREOCHROMIS NU O K. M. CHANGES IN --

```
ABDOMINALIS (FAMILY: POMACENTRIDAE). Pac. Sci. 42(1-2):136.
only . FR 33(4)
Zool . , Univ. Hawaii, Honolulu)
 Unger, L. M. and R. C. Sargent, ALLOPATERNAL CARE IN THE FAT PIMEPHALES PROMELAS: FEMALES PREFER MALES WITH EGGS. Behav.
)
23(1):27-32 1988. FR 33(4)
Behav. & Evol. Ecol. Res. Group, T.H. Morgan School Biol. Sci., Univ
40506-02251
    Ward, G. and G. J. FitzGerald, EFFECTS OF SEX RATIO ON MALE BEHAV
RODUCTIVE SUCCESS IN A FIELD POPULATION OF THREESPINE STICKLES
OSTEUS ACULEATUS) (PISCES: GASTEROSTEIDAE). J. Zool. (Lond.) 215(4
FR 33(4)
Biol., Univ. Laval, PQ, Canada G1K 7P41
UTS. SEASONAL AND DEPTH DISTRIBUTION, ETC.
     Aprahamian, M. W. AGE STRUCTURE OF EEL, ANGUILLA ANGUILLA
TIONS IN THE RIVER SEVERN, ENGLAND, AND THE RIVER DEE, W. Fish. Manage. 19(4):365-376. 1988. FR 33(4)

Tech. Unit (S.E. Dist.), Welsh Water Authority, Llandegfedd Reservoir, Stypool, Gwent NP4 OTA, Wales)
Bel'skiy, Yu. I., E. M. Gerber, A. A. Demenin and A. M. Safronov. Of L. DISTRIBUTION OF THE DEEPWATER REDFISH, SEBASTES MENTELLA, IN
PELAGIC ZONE OF THE NORTH ATLANTIC, J. Ichthyol. (Engl. Transl. 27(6):96-100, 1987. FR 33(4)
     Hawkins, A. D. THE RETURN MIGRATION OF ADULT ATLANTIC SALMO
RDEENSHIRE DEE, SCOTLAND, Am. Fish. Soc. Symp. 1:558, 1987. Abstract
Agric. Scotland, Mar. Lab., Aberdeen AB9 8DB, Scotland) Salmo salar.
    Haynes, James M. DISTRIBUTIONS AND THERMAL HABITATS OF SALMO
EIR PREY IN LAKE ONTARIO. Int. Assoc. Great Lakes Res. Conf. 30: A-27.
Sci., SUNY, Brockport, NY 14420) Oncorhynchus tshawytscha, Salmo galrdne
Olvelinus namayoush, Osmerus mordax, and Alosa pseudoharengus.
```

Hutchings, J. A. and D. W. Morris. HOW ARE ANADROMOUS SALMONID Hutchings, J. A. and D. W. MOTTIS. NOW AND AUTO-

Biol., Memorial Univ., St. John's, NF, Canada A1B 3X9]

Only, FR 33(4)

BITATS OF JUVENILE CHINDOK AND COHO SALMON IN A LABORATORY S' Zool, Univ. British Columbia, Vancouver, BC, Canada V6T 1W5) Oncorhy

Tyler, William A. III. SPAWNING PATTERNS IN THE HAWAIIAN SERG

S. SEASONAL AND DEPTH DISTRIBUTION, ETC. (CONT

88-004416 Kobayashi, Donald R. THE NEAR-REEF DISTRIBUTION

LARVAE. Pac. Sci. 42(1-2):124-125. 1988. Abstract only. FR 33(4) [Dep. Oceanogr., Univ. Hawaii, Honolulu] Psilogobius mainlandi.

88-004417 Lee, Douglas S. and J. G. Weise, DISTRIBUTION OF LEN AND PRELIMINARY ANALYSIS OF HABITAT SELECTION IN BAT

SUPERIOR. Int. Assoc. Great Lakes Res. Conf. 30: A-37. 1987. Abstr [Dep. Zool., Mich. State Univ., East Lansing 48824] Petromyzon ma Rulifson, Roger A. PERSPECTIVES AND NEW DIRECTION DIADROMOUS FISHES. Am. Fish. Soc. Symp. 1:547-549. 1987. FR 33([Inst. Coastal Mar. Resour. & Dep. Biol., East Carolina Univ., Gree

88-004419 Smirnov, M. V. and Yu. F. Kartavtsev. [THE DAILY CATADROMOUS MIGRATION OF CHUM AND PINK SALMON REAR HATCHERY (SOUTH-EAST SAKHALIN).] Mar. Biol. Vladivostok 19 Russian with English summ. FR 33(4) [Group Genet. & Reprod. Salmon, Inst. Mar. Biol., Far East Brand Vladivostok 690022, USSR] Oncorhynchus keta and O. gorbuscha.

88-004420 Tucker, M. J. and H. R. Burton. THE INSHORE MARINE

VESTFOLD HILLS, ANTARCTICA. Hydroblologia 165:129-139. 1988. FR [Australian Natl. Parks & Wildl. Serv., G.P.O. Box 636, Canbe Pagothenia borchgrevinki.

88-004421 Van Den Avyle, Michael J. and Raymond W. Petering. INU NURSERY HABITAT FOR LARVAL GIZZARD AND THREADFIN SHAD STORAGE RESERVOIR. Trans. Am. Fish. Soc. 117(1):84-89. 1988. FR 3 [U.S. Fish & Wildl. Serv., Coop. Fish & Wildl. Res. Unit., School Ga., Athens 30602] Dorosoma petenense, D. cepedianum, Morone chr.

FOODS/FEEDING

88-004422 Aronson, Richard B. PALATABILITY OF FIVE CARIBBEAN Mor. Sci. 43(1):93-97, 1988, FR 33(4) (Dep. Paleobiol., Natl. Mus. Nat. Hist., Smithsonian Inst., Wash Halichoeres bivittatus and Sparisoma spp.

Bellwood, D. R. ONTOGENETIC CHANGES IN THE DIET SETTLEMENT SCARUS SPECIES (PISCES: SCARIDAE). J. Fish Biol. 3.

[Dep. Mar. Biol., James Cook Univ., Townsville, Qld. 4811, Australia] 88-004424 Brandt, Stephen B. and Robert O'Gorman. PREDATOR-PF LAKE ONTARIO, Int. Assoc. Great Lakes Res. Conf. 30:A-8. 1987. Abstr [Univ. Md., Chesapeake Biol, Lab., Solomons 206881 Aloca Society Property of the Control of the cad. Nat. Sci., Benedict Estuarine Res. Lab., Benedict, MD 20612] Morone sexetile 14426 Carroll, Janet R. POPULATION GROWTH OF THE DOUBLE-CRE MORANT (PHALACROCORAX AURITUS) AND ITS POTENTIAL FOR AFFECTING S ERIES IN EASTERN LAKE ONTARIO. N.Y. State Dep. Environ, Conserv. 12p. 198 iv. Fish & Wildl. Nongame Unit, Wildl. Resour. Cent., Delmar, NY 12054]

A423 Orenburg, Denise L. EFFECIS OF TURBIDITY ON PREY COMSOMPTIO PED BASS LARVAE. Trans. Am. Fish. Soc. 117(1):72-77, 1988. FR 33(4)

S OF SYNTOPIC FINESCALE DACE, PHOXINUS NEOGAEUS, AND NORT BELLY DACE, PHOXINUS EOS: A REFLECTION OF TROPHIC MORPHOLOGY. Em Fishes 22(3):235-240, 1988, FR 33(4) v. Nat. Sci., St. Norbert Coll., De Pere, WI 54115)

4428 Collins, Hollie L.; David J. Conner; James H. Selgeby and Charles R. Bi OF PREDACEOUS SALMONIDS IN LAKE SUPERIOR, 1982-86. Int. Assoc. Creat.

ep. Biol., Univ. Minn., Duluth 55812] Salmo trutta, S. galrdneri, Sulve

Conf. 30: A-12. 1987. Abstract only. FR 33(4)

04427 Cochran, Philip A.; David M. Lodge; James R. Hodgson and Paul G. Kr

acush, Oncorhynchus klautch, and O. tshawytscha. 14429 Diana, James S. THE DIET OF SALMONIDS IN WESTERN LAKE HURON. Great Lakes Res. Conf. 30: A-15, 1988, 1987. Abstract only. FR 33(4) thool Nat. Resour., Univ. Mich., Ann Arbor 48109] Oncorhynchus tshawytsche ch, O. gorbuscha, Salvelinus namayoush, and Salmo goirdneri.

M430 Diehl, Sebastian. FORAGING EFFICIENCY OF THREE FRESHWATER FIS CTS OF STRUCTURAL COMPLEXITY AND LIGHT, Oikos 53(2):207-214, 1988. FR 3 sh. Ecol. Res. Group, Dep. Ecol., Limnol., P.O. Box 65, S-221 00 Lund, Swi Iluvialiis, Abramis brama, and Rutilus rutilus in Sweden.

Dorman, J. A. DIET OF THE GARFISH, BELONE BELONE (L.), 14431 RTMACSHERRY BAY, IRELAND. J. Flsh. Biol. 33(3):339-346. 1988. FR 33(4) o Courtmacsherry Shark & Deep Sea Angling Cent., Courtmacsherry, Co. ndl

14432 Eck. Gary and L. Wells. SEASONAL VERTICAL DISTRIBUTION AND I ITS OF SALMONINES IN S.E. LAKE MICHIGAN. Int. Assoc. Great Lakes Res. -17. 1987. Abstract only, FR 33(4)

.S. Fish & Wildl. Serv., Natl. Fish. Cent. Great Lakes, 1451 Green Rd., Ann A 3105) Salmo gairdneri, Oncorhynchus kisutch, O. tshowytscha, S. trutta, Salve yoush, Alosa oseudoharengus, and Coregonus hoyi.

04433 Henry, M. G. and J. F. Savino. AN EXAMINATION OF LAKE TROUT I H A PREDATOR AND PREY PERSPECTIVE Int. Assoc. Great Lakes Res. Conf. :

987. Abstract only. FR 33(4)

.S. Fish & Wildl. Serv., Natl. Fish. Cent.-Great Lakes, 1451 Green Rd., Ann A 31051 Salvelinus namayçush.

- 88-004434 Holey, Mark E. DIET OF NEARSHORE AND OFFSHORE STOR IN LAKE MICHIGAN, 1985 AND 1986, Int. Assoc. Great Lakes Res.
- [Dep. Nat. Resour., 107 N. 1st Pl., Sturgeon Bay, WI 54235] Salvelin Hughes, Donald N. and N. Robert Payne. INCREASED ABUI
- IN LAKE HURON, AND IMPLICATIONS FOR LAKE TROUT REHABILIT Great Lakes Res. Conf. 30:A-30. 1987. Abstract only. FR 33(4) [Minist. Nat. Resour., 611 Ninth Ave. E., Owen Sound, ON, Canada namayoush and Lota lota.
 - 88-004436 Jana, B. B. and Rina Chakrabarti. SOME FACTORS FEEDING OPTIMA IN CARP FINGERLINGS. Arch. Hydrobiol. 113(1
- [Fish. & Limnol, Lab., Dep. Zool., Univ. Kalyani, Kalyani 741235, Catia catia, Cirrhinus mrigala, Cyprinus carpio, and Oreochromis mossan
- 88-004437 Janssen, John; Jan Savitz; Charles Nutting and Rich SOUTHWEST LAKE MICHIGAN SALMONINES. Int. Assoc. Great Lakes F 1987. Abstract only. FR 33(4)
- [Biol. Dep., Loyola Univ., Chicago, IL 60626] Oncorhynchus kisutch. gorbuscha, Salvelinus namaycush, Salmo gairdneri, S. trutta, Alos Coregonus hoyl, and Perca flavescens. Jude, David J. LATE FALL THROUGH SPRING AND JUVENI

MICHIGAN SALMONINES, 1973-1982. Int. Assoc. Great Lakes Res. Co [Great Lakes Res. Div., Univ. Mich., Ann Arbor 48109] Salmo go Oncorhynchus kisutch, Osmerus mordax, and Alosa pseudoharengus,

- Kerfoot, W. Charles, INFLUENCE OF FISH ON BRANCHIOP Int. Assoc. Great Lakes Res. Conf. 30: A-34. 1987. Abstract only. FR 33([Great Lakes Res. Div. & Dep. Biol., Univ. Mich., Ann Arbor 48109]
- Kevern, Niles R. and Robert Elliott. FEEDING HABITS SALMONINES IN EASTERN LAKE MICHIGAN. Int. Assoc. Great Lakes R. [Dep. Fish & Wildl., Mich. State Univ., East Lansing 48824] Oncorhyr O. kisutch, Salvelinus namaycush, Salmo gairdneri, S. trutta, Alosc Coregonus hoyl, Osmerus mordax, and Perca flavescens.
 - 88-004441 Kihara, Kohel and Allen M. Shimada. PREY-PREDATOR II WALLEYE POLLOCK *THERAGRA CHALCOGRAMMA* AND WATER TEMPE
 - Sulsan Gakkalshi 54(7):1131-1135, 1988, FR 33(4) [Tokyo Univ. Fish., Konan, Minato, Tokyo 108, Japan] 88-004442 Lundberg, John G.; William M. Lewis, Jr.; James F. Saunder Mago-Leccia. A MAJOR FOOD WEB COMPONENT IN THE ORINOCO I

[Dep. Zool - Duke Heise Door

EVIDENCE FROM PLANKTIVOROUS ELECTRIC FISHES. Science 237(4810

-44 McComish, T. S. SALMONIO FOOD HABIT CHANGES IN INDIANA WATERS MICHIGAN COMPARING THE EARLY 1970'S WITH 1984-86. Int. Assoc. Creat La onf. 30: A-42, 1987. Abstract only, FR 33(4) . Biol., Ball State Univ., Muncie, IN 473061 Oncorhynchus klautch, O. tshawytso nus namayoush, Alosa pseudoharenaus, Perca flavescens, and Osmerus mordax. 145 McGovern, John C. and John E. Olney, POTENTIAL PREDATION BY FISH A TEBRATES ON EARLY LIFE HISTORY STAGES OF STRIPED BASS IN THE PAMUNE , VIRGINIA, Trans. Am. Fish. Soc. 117(2):152-161, 1988, FR 33(4) :. Mar. Sci., Coll. William & Mary, Gloucester Point, VA 23062] Morone saxati is analostanus, N. hudsonius, Etheostoma olmstedi, M. americana, Lepa hirus, L. gibbosus, Ictalurus punctatus, and I. catus. 146 Mayer, Axel. INFLUENCE OF AGE AND SIZE ON THE RESPONSE TO NOV BY FRY OF THE CICHLID FISH *CICHLASOMA MANAGUENSE* (PISCES: CICHLIDA y 78(3):199-208, 1988, FR 33(4) . Zool. & Mus. Vertebr. Zool., Univ. Calif., Borkeley 947201 447 Montevecchi, W. A.; V. L. Birt and D. K. Cairns. DIETARY CHANGES RDS ASSOCIATED WITH LOCAL FISHERIES FAILURES. Blot. Oceanogr. 5(3):153-1 8. FR 33(4) D. Psychol., Memorial Univ. Newfoundland, St. John's, NF, Canada A1B 3X7] Scom us. 448 Naud, Marc and Pierre Magnan. DIEL ONSHORE-OFFSHORE MIGRATIONS HERN REDBELLY DACE, *PHOXINUS EOS* (COPE), IN RELATION TO PF IBUTION IN A SMALL OLIGOTROPHIC LAKE. Can. J. Zool. 66(6):1249-1253. 1988. h with French summ. FR 33(4) man: Dep. Chim. Biol., Univ. Quebec, C.P. 500, Trois-Rivieres, PQ, Canada C 449 Palmer, Margaret A. EPIBENTHIC PREDATORS AND MARINE MEIOFAUI ATING PREDATION, DISTURBANCE, AND HYDRODYNAMIC EFFECTS. Ecol. 1251-1259 1988, FR 33(4) . Zool., Univ. Md., College Park 20742) Lelostomus xanthurus in South Carolina 450 Parkhurst, James A. and Robert P. Brooks. AMERICAN KESTRELS EAT TRO RLINGS. J. Fletd Ornithol., 59(3):286-287. 1988. In English with Spanish summ.

4 PERCH GROWTH AND SURVIVAL Int. Assoc. Great Lakes Res. Conf. 30:A-

Y-ESF, Illick Hall, Syracuse, NY 132101 Alosa pseudoharengus and Perca fluvesce.

ibstract only. FR 33(4)

/Ivania.

451 Pameroy, Patrick P. THE FOOD AND FEEDING OF POWAN COREGON RETUS (L.) (SALMONIDAE: COREGONINAE) IN TWO SCOTTISH LOCHS. Ph tation, Univ. St. Andrews (England) 358p. 1987. From Diss. Abstr. Int. 8 Sci. E 332. 1988. FR 33(4)

ool For, Resour., Pa. State Univ., University Park 16802] Salvellnus fontinalis

- 88-004452 Ritchie, Beverlee J. and Peter J. Colby. EVEN-ODD YE WALLEYE YEAR-CLASS STRENGTH RELATED TO MAYFLY PRODUCT
- Monage, 8(2):210-215, 1988, FR 33(4) [Minist, Nat. Resour., Nipigon, ON, Canada POT 1GO] Stizostedion v
- 88-004453 Safina, Carl. ECOLOGICAL INTERACTIONS AMONG PR
- AND COMMON TERMS IN A COASTAL ATLANTIC SYSTEM, Ph.D. dl. N.J. - N.B. 232p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(1):32. Pomatomus saltatrix.
- 88-004454 Schlosser, Isaac J. PREDATION RATES AND THE BEHAV ADULT BRASSY MINNOWS (HYBOCNATHUS HANKINSONI) TO SMALLMOUTH BASS PREDATORS. Copela 1988(3):691-698, 1988, FR 3 [Dep. Biol., Box 8238, University Station, Grand Forks, atromoculatus and Micropterus dolomleul.
- 88-004455 Schofield, K.; C. R. Townsend and A. G. Hildrew, PRED. COMMUNITY OF A HEADWATER STREAM. Freshwater Biol. 20(1):85-9 [School Biol. Sci., Univ. East Anglia, Norwich NR4 7TJ, Engl England.
- 88-004456 Sharidan, Mark F. and Donald C. Tarter, FOOD HABITS DRUM, APLODINOTUS GRUNNIENS (RAFINESQUE) (PISCES: SCI GALLIPOLIS LOCKS AND DAM, OHIO RIVER. Proc. W.Va. Acad.
 - 1987, FR 33(4) (Dep. Biol. Sci., Marshall Univ., Huntington, WV 25701) Dord Notropis atherinoides.
- 88-004457 Spitznagel, Thomas Edward, PREY AVOIDANCE IN THE G AURATUS. M.S. Thesis, Adelphi Univ. 36p. 1985. From Masters Abst FR 33(4)
- 88-004458 Stewart, D. J.; J. M. Hagar and J. F. Kitchell. D SALMONINE PREDATION IN WESTERN LAKE MICHIGAN. Int. Assoc. 6 30: A-56, 1987. Abstract only. FR 33(4)
 - [Cent. Limnol., Univ. Wis., Madison 53706] Oncorhynchus klautch. pseudoharengus, Perca flavescens, and Coregonus hoyl.
 - Tandel, S. S.; R. P. Athalye and K. S. Gokhale, ON THI IN FOOD HABIT OF MUGIL CEPHALUS OF THE THANA CREEK. Ind 276. 1986. FR 33(4)
 - [B. N. Bandodkar Coll. Sci., Thane, India]
 - 88-004460 Timmerman, Arthur J. VARIATION IN DIET AND GROWTH THE CANADIAN WATERS OF THE CENTRAL BASIN OF LAKE ERIE. Great Lakes Res. Conf. 30:A-59, 1987. Abstract only. FR 33(4)
 - [Ontario MNR, Wheatley, ON, Canada NOP 2PO] Osmerus mordox, Po spp. and Oncorhynchus klautch.

14461 Timola, Osmo. DIET OF THE FOURHORN SCULPIN, MYOXOCEPH DRICORNIS, AMONG THE INNERMOST ISLANDS AND IN THE OPEN SEA IN TH HNIAN BAY. Bothnian Bay Rep. 4:3-13, 1986, FR 33(4) erameri Res. Stn., Univ. Oulu. SF-90570 Oulu, Finland) M462 Victor, Reginald and Christopher B. Ndome. FORAGING SITE SELECTION PICAL LARVIVOROUS CYPRINODONT, EPIPLATYS SENEGALENSIS (STEINDACH . Hydrobiol. 113(1):113-119. 1988. In English FR 33(4) pp. Zool., Univ. Benin, Benin City, Nigerial 4463 Webber, R. A.; M. E. Rau and D. J. Lewis. THE EFFECTS OF PLACION E! (TREMATODA: PLAGIORCHIDAE) METACERCARIAE ON THE SUSCEPTIBILIT 'S AEGYPTI LARVAE TO PREDATION BY GUPPIES (POECILIA RETICULATA)

sh with French summ. FR 33(4) au: Inst. Parasitol., McGill Univ., Macdonald Coll., 21-111 Lakeshore Rd., Ster ellevue, PQ, Canada H9X 1001 14464 Yager, Jill and Dennis Williams, PREDATION BY GRAY SNAPPER ON S IN THE BAHAMAS. Bull. Mar. Sci. 43(1): 102-103. 1988. FR 33(4)

DOW VOLES (MICROTUS PENNSYLVANICUS). Can. J. Zool. 65(10):2346-2348. 19

ol. Sci. Dep., Old Dominion Univ., Norfolk, VA 235081 Lutlanus griseus. AND GROWTH

14465 Al-Absy, Ahmad H. and Kenneth D. Carlander. CRITERIA FOR SELECTION E-SAMPLING SITES IN GROWTH STUDIES OF YELLOW PERCH. Trans. Am. Fish. 1):209-212, 1988, FR 33(4)

ep. Biol. Sci., Yarmouk Univ., Irbid, Jordan Perca flavescens.

Apperson, Kimberly A. THE INFLUENCE OF DIET ON GROWTH 14466 GEMOUTH BASS (MICROPTERUS SALMOIDES) IN NORTHERN IDAHO: A COMPARA

DY. M.S. Thesis, Univ. Idaho 77p. 1987, FR 33(4)

14467 Barber, Willard E. and Gordon A. McFarlane. EVALUATION OF T INIQUES TO AGE ARCTIC CHAR FROM ALASKAN AND CANADIAN WATERS. I

Fish. Soc. 116(6):874-881, 1987, FR 33(4) chool Fish. & Ocean Sci., Univ. Alaska, Fairbanks 99775] Solvellnus alpinus.

24468 Beamish, F. W. H. and T. E. Medland. AGE DETERMINATION FOR LAMP s. Am. Fish. Soc. 117(1):63-71, 1988, FR 33(4)

ep. Zool. & Group Advancement Fish Studies, Univ. Guelph, Guelph, ON, Canad

Ichthyomyzon gaget, Petromyzon marinus, and Lampetra appendix.

04469 Bhattacharjee, P. C. and M. Dasgupta, SOME OBSERVATIONS ON

OGY OF ASPIDOPARIA MORAR (HAM.) FROM RIVER BRAHMAPUTRA, ASSAM (IN Mus. Bocage Nova Ser. 1(11):197-203. 1988. In English with French summ. FR 33

nim. Ecol. Lab., Dep. Zool., Gauhati Univ., Gauhati-781 014, India]

- [Univ. Miami, Rosenstiel School Mar. & Atmos. Sci., Div. Biol. & Rickenbacker Causeway, Mlami, FL 33149-10991
 - 98-004471 Campton, D. E. and G. A. E. Gall, EFFECT OF INDI REARING ON AGE AND SIZE AT MATURITY OF MALE MOSQUITOFISH,
 - J. Fish Biol. 33(2):203-212. 1988, FR 33(4) [Dep. Fish. Aquacult., Univ. Fla., 7922 N.W. 71st St., Gainsville 32
 - 88-004472 Cowx, I. G. DISTRIBUTION AND VARIATION IN THE RUTILUS RUTILUS (L.), AND DACE, LEUCISCUS LEUCISCUS CATCHMENT IN SOUTH-WEST ENGLAND. J. Fish Biol. 33(1):59-72. 19 [Humberside Coll. Higher Education, Inst. Fish. Studies, Cottingham England
 - 88-004473 Johaf, M. S. and K. K. Tandon. PHENOMENON OF GROWT CYPRINUS CARPIO. Indian J. Ecol., 13(2):350-352, 1986. FR 33(4)

[Dep. Zool., S.G.N. Khalsa Coll., Sri Ganganagar 335001, India]

Labon-Cervia, Javier and Adolfo De Sostoa. [GROWTH C

- CEPHALUS PYRENAICUS GUNTHER, 1862) IN THE JARAMA RIVE TAGUS).] Donana Acta Vertebr. 14:41-51. 1987. In Spanish. FR 33(4) [Mus. Nac. Cienc. Nat., C.S.I.C. Jose Gutlerrez Abascal, 2, 28006 (88-004475 Martin, Linda K. and Gregor M. Cailliet. AGE AND GROV
 - OF THE BAT RAY, MYLIOBATIS CALIFORNICA GILL, IN CENTRAL 1988(3):762-773. 1988. FR 33(4) [Monterey Bay Aquarium, 886 Cannery Row, Monterey, CA 93940]
- 88-004476 Menon, N. Gopinatha. AGE AND GROWTH OF TH TACHYSURUS THALASSINUS (RUPPELL) FROM MANDAPAM WATE
 - 33(4):413-425, 1986, FR 33(4) [Cent. Mar. Fish. Res. Inst., Cochin-682031, India]
- 88-004477 Mosegaard, Henrik; Henrik Svedang and Kjell Taberm SOMATIC AND OTOLITH GROWTH RATES IN ARCTIC CHAR (SALVELI EFFECT OF DIFFERENCES IN TEMPERATURE RESPONSE. Can. J 45(9):1514-1524. 1988. In English with French summ. FR 33(4) [Inst. Limnol., Box 55?, S-75122 Uppsala, Sweden]
- Munekiyo, Masahiro and Akihiko Kuwahara. (AGE AND FISH IN THE WESTERN WAKASA BAY.] Nippon Sulsan Gakkaishi 54(Japanese with English summ. FR 33(4)
 - [Kyoto Inst. Oceanic & Fish. Sci., Miyazu, Kyoto 626, Japan] Japan.
 - 88-004479 Murty, V. Sriramachandra, GROWTH AND YIELD PER F (JOHNIUS) CARUTTA BLOCH IN THE TRAWLING GROUNDS OFF Flsh. 33(2):163-170. 1986. FR 33(4)
 - [Cent. Mar. Fish. Res. Inst. Cent., Kakinada, India]

. Sci., Nara Women's Univ., Nara 630, Japan] 481 Prakash, Shree and R. A. Gupta, STUDIES ON THE COMPARATIVE GRO OF THREE MAJOR CARPS OF THE GOVINDGARH LAKE. Indian J. Lish. 33(1):49 FR 33(4) nt. Inland Fish. Res. Inst., Allahabad 211602, India] Catlo calla, Labeo robita, no metagla in India. 482 Rao, D. Manikyala and K. Srinivasa Rao. STUDIES ON THE (BLOCH) RMINATION AND GROWTH OF NEMIPTERUS JAPONICUS HAPATNAM, Indian J. Fish. 33(4):426-439, 1986, FR 33(4) o. Zool., A.N.R. Coll., Gudiwada 521301, India] 483 Soni, V. C. and Benson George. AGE DETERMINATION AND LENGTH-WEI CONSHIP IN THE MUDSKIPPER BOLEOPTHALMUS DENTATUS. Indian J. I 231-234, 1986, FR 33(4) o. Biosci., Saurashtra Univ., Rajkot 5, India) 184 Vollestad, L. A. and T. F. Nacsje. READING OTOLITIIS OF EELS, ANGU

480 Nagoshi, Makoto and Kimihiro Yuba. [VARIATION OF INDIVIDUAL FISH SIZE TON TO POPULATION DENSITY OF SAND EEL AMMODYTES PERSONATUS IN Nippon Sulson Gakkaishi 54(6):913-917. 1988. In Japanese with English summ.

ND GROWTH (CONTINUED).

Manage, 19(4):387-391, 1988, FR 33(4)

RAPHICAL DISTRIBUTION, FISH SURVEYS, ETC.

1485 Almeida, Armando J. [THE PRESENCE OF SYNGNATHUS ROSTELLA]

TRACHUS ARGENTATUS AND SPHOEROIDES SPENGLERI ON THE COAST

UGAL.] Clenc. Biol. Ecol Syst. 6(1/2):1-7. 1986. In Franch with English summ.

ILLA (L.), OF KNOWN AGE FROM KOLDERVEEN, THE NETHERLANDS. Aqua

fold Ctv. Environ. Admin., P.O. Box 325, N-1051 Moss, Norway)

TRACHUS ARGENTATUS AND SPHOEROIDES SPENDLERI ON THE COAST UGAL.] Clenc. Biol. Ecol Syst. 6(1/2):1-7. 1986. In French with English summ. p. Zool. & Anthropol., Fac. Cienc. Lisboa, Rua Escola Politecnica, 58 1200 Lis gal]

UB6 Beckley, Lynnath Elizabeth. COASTAL ZONE UTILIZATION BY JUVENILE HE EASTERN CAPE, SOUTH AFRICA. Ph.D. dissertation, Univ. Cupe Town (S

1985. From Diss. Abstr. Int. B Sci. Eng. 49(2):330. 1988. FR 33(4)

1487 Campos, Jorge A. [DISCARDED SHRIMP BY-CATCH IN THE PACIFIC OF CO...] Rev. Biol. Trop. 34(2):185-197. 1986. In Spanish with English summ. FR 33(4) ot. Invest. Cienc. Mar. & Limnol. (CIMAR) & Escuela Biol., Univ. Costa Rica, G

it. Invest. Cienc. Mar. & Limnol. (CIMAR) & Escuela Biol., Univ. Costa Rica,

1488 Cowan, James H., Jr. and Richard F. Shaw. THE DISTRIBUT DANCE, AND TRANSPORT OF LARVAL SCIAENIDS COLLECTED DURING WINTER 88-004489 Crossman, E. J.; S. J. Nepszy and P. Krause. THE FL CARP, CTENOPHARYNGODON IDELLA, IN CANADIAN WATE 101(4):584-586, 1987, FR 33(4)

[Dep. Ichthyol. & Herpetol., Royal Ontario Mus., Toronto, ON, C.

88-004490 Ellis, Lloyd B.; Jeffrey G. Landesman; Stanford L Zambrano. SECOND RECORD OF CUBICEPS PARADOXUS AND AN FROM CALIFORNIA. Calif. Fish Come 74(3):174-176. 1988. FR 33(4) [Cabrillo Mar. Mus., 3720 Stephen White Dr., San Pedro, CA 90731

88-004491 Guzman Arroyo, Manuel and Jesus O. Lopez Raino RECORDINGS OF SAILFISH JUVENILES (ISTIOPHORUS PLAT) NODDER, 1791), (PISCES, ISTIOPHORIDAE), ON THE COAST MICHOACAN, SOUTHERN MEXICAN PACIFIC. Clenc. Mac. (Mex.)

Spanish and English, FR 33(4) [Univ. Nac. Autonoma Mex., Inst. Cienc. Mar. & Limnol., Apd 04510, D.F., Mexico]

Kajihara, Takeshi. DISTRIBUTION OF ANCUILLA JAPON WESTERN PACIFIC DURING SEPTEMBER 1986. Nippon Suisan Cakkai In English, FR 33(4) [Environ. Biol. Res. Cent. Co. Ltd., Nakameguro, Meguro, Tokyo

88-004493 Keith, James H. DISTRIBUTION OF NORTHERN CA SPELAEA DEKAY, IN INDIANA AND KENTUCKY AND RECOM PROTECTION. Nat. Areas J. 8(2):69-79, 1988, FR 33(4) [Geosci Res. Assoc., Inc., 627 N. Morton St., Bloomington, IN 4]

88-004494 Lea, Robert N. FAMILY HIMANTOLOPHIDAE ADDED TO OF THE TEMPERATE EASTERN NORTH PACIFIC. Calif. Fish Game 33(4) [Mar. Resour. Div., Dep. Fish & Game, Mar. Resour. Lab.-Gra CA 93940)

VIRGINIA NATURAL HERITAGE PROGRAM: MONITORING RARE SPE COMMUNITIES. Va. J. Sci. 38(4):389-398. 1987. FR 33(4)

Square, Richmond, VA 232191

Lipford, Michael L.; Garrie D. Rouse and Christop

Game 74(2):106-118, 1988, FR 33(4)

(Nat. Heritage Program, Dep. Conserv. & Hist. Resour., 1114 Wa

Loch, John J.; Steven A. Leider; Mark W. Chilcote; Ran-

Johnson, DIFFERENCES IN YIELD, EMIGRATION-TIMING, SIZE, AN JUVENILE STEELHEAD FROM TWO SMALL WESTERN WASHINGTON

[Fish. Manage Div., Wash. Dep. Wildl., 600 N. Capitol Way, gairdneri.

Loeb, Valerie

J. and Omar Rojas. INTERANN FCHTHYOPLANKTON COMPOSITION AND ABUNDANCE RELATIONS 1964-83. U.S. Notl. Mar. Fish. Serv. Fish Bull 96(1):1-24 10

[Mandapam Regional Cent. Central Mar. Fish. Res. Inst., Mand Rastrelliger kanagurta. 88-004508 Tabeta, Osame and Noritaka Mochioka. ANGUILLID LEPTO WATERS SOUTH OF OKINAWA AND EAST OF TAIWAN AND LUZON

[Dep. Biol. & Aquacult., Shimonoseki Univ. Fish., Shimonoseki 750 japonica, A. marmorata, A. bicolor pacifica, and A. celebesensis. 88-004509 Takeuchi, Shoichi; Michio Ogura; Masao Nemoto a (DISTRIBUTION OF BIGEYE TUNA IN THE ATLANTIC AS SEEN FRO

PACIFIC, IN 1986. Nippon Suisan Cakkaishi 54(6):935-940. 1988. In Eng

CATCHES. | Nippon Sulsan Gakkaishi 54(8):1271-1277. 1988. In Japanese

FR 33(4) [Dep. Mar. Sci. & Technol., Tokyo Univ. Fish., Konan 4, Minato, Thunnus obesus. 88-004510 Trofimov, A. G. and M. Yu. Tamoykin. PHENOGEOGRAPH NITIDULUM IN THE TROPICAL ATLANTIC OCEAN. J. Ichthyol. (E Ikhtlol.) 27(6):90-95, 1987, FR 33(4)

[Inst. Biol. South. Ocean (InBYuN), AN SSSR, Sevastopol, USSR] 88-004511 Villwock, Wolfgang. SPECIATION AND ADAPTIVE RADI. ORESTIAS FISHES. In: High Altitude Tropical Biogeography, France Maximina Manasterio, editors, p. 387-403, 1986, FR 33(4) [Zool. Inst., Martin Luther King Platz 3, Univ. Hamburg, 2000 Germany)

88-004512 White, Brian N. OCEANIC ANOXIC EVENTS AND ALLOPAT THE DEEP SEA. Biol. Oceanogr. 5(4):243-259, 1987, FR 33(4) (Sect. Ichthyol., Nat. Hist. Mus. Los Angeles Cty., 900 Exposition

CA 90007]

ABUNDANCE, FACTORS OF: SURVIVAL AND MORTALITY

88-004513 Angyal, R.; R. Glass and O. E. Maughan. THE CHARAC WHITE CRAPPIE POPULATION OF SOONER LAKE, OKLAHOMA. Proc. OK 10. 1987. FR 33(4)

[Dep. Environ, Conserv., New Paltz, NY 12561] Pomoxis annularis.

88-004514 Bley, Patrick W. and John R. Moring. FRESHWATER AND OC

ATLANTIC SALMON AND STEELHEAD: A SYNOPSIS. U.S. FISH WILD 88(9):22p. 1988. Available from U.S. Fish & Wildl. Serv., Publ. Unit, 148, Washington, DC 20240. FR 33(4)

[Coop. Fish & Wildl. Res. Unit, 240 Nutting Hall, Univ. Maine, Oron and S. golrdnerl.

88-004515 Cury, Philippe. [SELECTIVE PRESSURES AND EVOLUTION HYPOTHESIS FOR UNDERSTANDING CERTAIN ASPECTS OF LONG TE OF COASTAL PELAGIC FISHES.] Can. J. Fish. Aquat. Sci. 45(6): French with English summ, FR 33(4)

[Chercheur ORSTOM, last Sepanalas Garage

MATIC AND DENSITY-DEPENDENT FACTORS ON YEAR-CLASS STRENGTI EGONUS LAVARETUS IN LAKE CONSTANCE. Can. J. Fish. Aquat, Sci. 45(6) . 1988. In English with French summ, FR 33(4) imnol, Inst., Univ. Constance, P.O. Box 5560, D-7750 Konstanz, West Germany) 04517 Fisher, J. P. and W. G. Pearcy. GROWTH OF JUVENILE COHO SA *CORHYNCHUS KISUTCH*) OFF OREGON AND WASHINGTON, USA, IN YEAF ERING COASTAL UPWELLING. Can. J. Fish. Aquat. Sci. 45(6):1036-1041. 198 ish with French summ. FR 33(4) reg. State Univ., Coll. Oceanogr., Corvallis 973311 04518 Jimenez Perez, Luis Clemente; Gregory Hamman and Teresa Gutierrez DATION OF EARLY-LIFE STAGES OF THE NORTHERN ANCHOVY (ENGRAULIS MG ARD) IN THE NEAR SHORE ZONE OF SAN RAMON BEACH, BAJA CALIFO ICO. Clenc. Mar. (Mex.) 11(1):49-63, 1985. In Spanish and English, FR 33(4) stac. Invest. Oceanogr. Ensenada, Vicente Guerrero No. 133, Ensenada, B.C., Me 04519 Kaeding, Lynn R. and Douglas B. Osmundson. INTERACTION OF WTH AND INCREASED EARLY-LIFE MORTALITY: AN HYPOTHESIS ON THE DE COLORADO SQUAWFISH IN THE UPSTREAM REGIONS OF ITS HISTORIC R. ron. Blot. Fishes 22(4):287-298, 1988, FR 33(4) S. Fish & Wildl. Serv., Colo. River Fish. Project, 529 25-1/2 Rd., Grand Junctlo 5] Ptychochellus luclus in Colorado and Utah. 04<mark>520 Loftus, Andrew J.; William W. Taylor and Myrl Keller. AN EVALUATION</mark> E TROUT (*SALVELINUS NAMAYCUSH*) HOOKING MORTALITY IN THE UPPER C ES. Can. J. Fish, Aquat. Sci. 45(8):1473-1479, 1988. In English with French sum ep. Nat. Resour., Tidewater Admin.-Fish., Tawes State Off. Bldg., C-2, Anno 114011 04521 Moses, Boniface S. GROWTH, MORTALITY AND POTENTIAL YIELD OF BO MALOSA FIMBRIATA (BOWDICH 1825) OF NIGERIAN INSHORE WATERS. Fish :233-247, 1988, FR 33(4) ep. Zool. & Fish., Univ. Cross River State, P.M.B. 1017, Uvo. Nigerial 04522 Peterman, Randall M. and Michael J. Bradford. WIND SPEED AND MORT E OF A MARINE FISH, THE NORTHERN ANCHOVY (ENGRAULIS MORDAX). S 4786):354-356, 1987, FR 33(4) at. Resour. Manage. Program, Simon Fraser Univ., Burnaby, BC, Canada V5A 18 04523 Richards, Laura J. COPPER ROCKFISH (*SEBASTES CAURINUS*) LBACK ROCKFISH (*SEBASTES MALIGER*) HABITAT IN THE STRAIT OF GEC FISH COLUMBIA. Con. J. Zool. 65(12):3188-3191. 1987. In English with French 3(4) ep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nanaimo, BC, Canad 04**524** Southward, A. J.; G. T. Boalch and Linda Maddock. FLUCTUATIONS II RING AND PILCHARD FISHERIES OF DEVON AND CORNWALL LINKED TO CHAN TATE SINCE THE 16th CENTURY. J. Mar. Biol. Assoc. U.K. 69(3):423-445. 198 [Ostfold Cty. Environ. Admin., P.O. Box 325, N-1501 Moss, Norway]

IDENTIFICATION, KEYS, CLASSIFICATION

88-004526 Amato, Luis H. [DESCRIPTION OF CYNOLEBIAS CYANE ANNUAL FISH FROM RIO GRANDE DE SUL, BRASIL (CYI RIVULIDAE).] Comun. 2001. Mus. Hist. Nat. Montev. 163:11p. 198 English summ. FR 33(4)

(Dep. Ictiol., Mus. Nac. Hist. Nat., Casilla Correo 399, Montevideo,

- 88-004527 Birdsong, Ray S. ROBINSICHTHYS ARROWSMITHENSIS, SPECIES OF DEEP-DWELLING GOBIID FISH FROM THE WESTERN CAR
- Soc. Wash. 101(2):438-443. 1988. FR 33(4)
 [Dec. Biol. Sci., Old Commission Univ., Norfolk, VA 23529]
- 88-004528 Borets, L. A. (A NEW SPECIES OF GUNNEL FISH, ALLOPH N., FROM THE SEA OF OKHOTSK.) Mar. Biol. Viadivostok 1988(2):66with English summ. FR 33(4)
- (Lab. Appl. Biocenol., Pac. Res. Inst. Fish. & Oceanogr., Vladivost 88-004529 Buckup, Paulo Andreas. THE GENUS HEPTAPT
- SPECIES. Copela 1988(3):641-653. 1988. In English with Spanish summ. [Dep. Biol. & Fish Div., Mus. Zool., Univ. Mich., Ann Arbor 48109-H. sympteryglum, H. mustellnus, and H. multiradiatus.

PIMELODIDAE) IN SOUTHERN BRAZIL AND URUGUAY, WITH THE DES

- 88-004530 Burgess, Warren E. THE MANY FACES OF LAMPROLOGUS Fish Hobbyist 37(1):61-62. 1988. FR 33(4)
- 88-004531 Cashner, Robert C.; James S. Rogers and James M. Grad A NEW SPECIES OF THE SUBGENUS XFNISMA FROM THE TALLAPOOS. SYSTEMS OF ALABAMA AND GEORGIA. Copela 1988(3):674-683. 1988. [Dep. Biol. Sci., Univ. New Orleans, New Orleans, LA 70148]
- 88-004532 Castro, Ricardo M. C. SEMAPROCHILODUS VARII, PROCHILODONTIO FISH (OSTARIOPHYSI: CHARACIFORMES) FRO RIVER, SURINAM. Proc. Biol. Soc. Wash. 101(3):503-508. 1988. In Element FR 33(4)
- [Dep. Biol., FFCLRP-Univ. Sao Paulo, Ave. Bondeirantes 3900, Preto, SP, Brazil]
- 88-004533 Costa, Wilson J. E. M. A NEW SPECIES OF THE NEOTRO GENUS PTEROLEBIAS (CYPRINODONTIFORMES, RIVULIDAE), FROM Zool, (Lond.) 215(4):657-662, 1988, FR 33(4)
 - [Mus. Zool. Univ. Sao Paulo, Brazil] P. phaslanus.

DiSalvo, Louis H.; John E. Randall and Alfredo Cea. ECOLOG 4535 NNAISSANCE OF THE EASTER ISLAND SUBLITTORAL MARINE ENVIRONMENT. r. Res. 4(4):451-473, 1988, FR 33(4) p. Aquacult., Univ. del Norte, Casilla 480, Cogumbo, Chilel Doadrio, Ignacio. LEUCISCUS CAROLITERTII N. SP. FROM THE IBE 4536 SSULA (PISCES: CYPRINIDAE), Senckenb. Blot. 68(4/6):301-309, 1987. In English

ge Nova Ser. 1(8):101-110. 1988. In English with Portuguese summ. FR 33(4)

p. Biol. San Diego State Univ., San Diego, CA 92182]

537 Eakin, Richard R. A NEW SPECIES OF POGONOPIIRYNE (PIS DIDRACONIDAE) FROM THE SOUTH SHETLAND ISLANDS, ANTARCTICA. Proc. Vash. 101(2):434-437, 1988, FR 33(4) v. Arts. & Sci., Westbrook Coll., Portland, ME 04103] P. dewittl.

s. Nac. Cienc. Nat., Jose Gutierrez Abascal 2, Madrid 28006, Spain]

1538 Edsall, Thomas A.; Bruce A. Manny and C. Nicholas Raphael. THE ST. C R AND LAKE ST. CLAIR, MICHIGAN: AN ECOLOGICAL PROFILE. U.S. Fish & I Blot. Rep. 85(7.3) 130p. 1988. Available from U.S. Fish & Wildl. Serv., nds Res. Cent., 1010 Gause Blyd., Slidell, LA 70458 FR 33(4) S. Fish & Wildl. Serv., Natl. Fish. Res. Cent.-Great Lakes, Ann Arbor, MI 48105

1539 Ferraris, Carl J., Jr. RELATIONSHIPS OF THE NEOTROPICAL CATFISH GI ROGLANIS. WITH A DESCRIPTION OF A NEW SPECIES (OSTEICHT RIFORMES: PIMELODIDAE). Proc. Blol. Soc. Wash. 101(3):509-516. 1988. In En Spanish summ, FR 33(4) p. Ichthyol., Am. Mus. Nat. Hist., New York, NY 16024] N. pauciradiata

uela. 1540 Gibbs, Robert H., Jr. and James F. McKinney, HIGH-COUNT SPECIES OF FISH GENUS ASTRONESTHES FROM THE SOUTHERN SUBTROP HD. ERGENCE REGION: TWO NEW SPECIES AND REDESCRIPTION OF CRYPTOSTO RONESTHES) PSYCHROLUTES, Smithson, Contrib. Zool, No. 460, 25p. 1988

v. Fish., Dep. Vertebr. Zool., Natl. Mus. Nat. Hist., Smithsonian Inst., Washin 560] A. boulengeri, A. gemmiler, A. psychrolutes, A. spatuiller, and A. kreftti.

1541 Haedrich, Richard L. and Nigel R. Merrett. SUMMARY ATLAS OF DEEP-LI RSAL FISHES IN THE NORTH ATLANTIC BASIN, J. Nat. Hist. 22(5):1325-1362. (4) ean. Sci. Cent., Momorial Univ., St. John's, NF, Canada A1B 3X7]

1542 Hansen, Patricia E. Hadley. REVISION OF THE TRIPTERYGIID FISH G OGRAMMA, INCLUDING DESCRIPTIONS OF FOUR NEW SPECIES. Bull. Mar. 313-354. 1986. FR 33(4)

iv. Miami, School Med., Rosenstiel Sci. Bidg., 1600 N.W. 10th Ave., Miami, FL 3. promma billi, H. rhinoceros, H. springerl, and H. striata.

- 88-004544 International Commission on Zoological Nomenclature, COBIT (OSTEICHTHYES, CYPRINIFORMES): COBITIS TAENIA LINNAEUS, 175 THE TYPE SPECIES, AND THE ORIGINAL SPELLING OF THE FAM COBITIDAE SWAINSON, 1839 CONFIRMED, Bull, Zool, Nomencl, 45(2)
- 33(4)
 [Int. Comm. Zeol. Nomenclature, c/o British Mus. (Nat. Hist.), Cro SW7 5BD. England
 - 88-004545 Johnson, G. David. SCOMBROID PHYLOGENY: AN ALTERNA Bull. Mar. Sct. 39(1):1-41. 1986. FR 33(4)
 - (Div. Fish., Dep. Vertabr. Zool., Natl. Mus. Nat. Hist., Washington,
- 88-004546 Kottelat, Maurice and Chu Xin-Luo. TWO NEW SPECIES OF R 1860 FROM SOUTHERN YUNNAN AND NORTHERN THAILAND. S 10(3):313-318. 1987. FR 33(4)
- 10(3):313-318, 1981, FR 33(4)
 [Zool. Staatssammlung, Munchhausenstr. 21, D-8000 Munich 60, stridorsalis and R. dorsinotata.
- 88-004547 Kottelat, Maurice. INDIAN AND INDOCHINESE SPECIFICSTEICHTHYES: CYPRINIFORMES) WITH DESCRIPTIONS OF TWO INCOMMENTS ON THE FAMILY-GROUP NAMES BALITORIDAE AND HOMA Suisse Jool. 95(2):487-504. 1988. FR 33(4)
- Suisse Zool. 95(2):487-504. 1988. FR 33(4)
 [Zool. Staatssammlung, Munchhausenstr. 21, D-8000 Munich 60, meridionalis and B. annamitica.
- 88-004548 Lea, Robert N. and William N. Eschmeyer. SCORPAENICHT GIRARD, 1854 (OSTEICHTHYES, SCORPAENIFORMES): PROPOSED CONS SPECIFIC NAME AND CONFIRMATION OF AUTHORSHIP. Bull. Zool. A 134. 1988, FR 33(4)
 - [Mar. Resour. Div., Dep. Fish & Game, 2201 Garden Rd., Monterey, C
- 88-004549 Livingston, Robert J. INADEQUACY OF SPECIES-LEVEL D ECOLOGICAL STUDIES OF COASTAL MIGRATORY FISHES. Environ. Bio 234, 1988. FR 33(4) [Cent. Aquat. Res. & Resour. Manage., Fla. State Univ., Tallahassee
- 88-004550 Manny Brura A. Thomas A. Edsall and Eugens lawor
- 88:004550 Manny, Bruce A.; Thomas A. Edsall and Eugene Jawors RIVER, MICHIGAN: AN ECOLOGICAL PROFILE, U.S. Fish Wildl. 85(7.17):86p. 1988. Available from U.S. Fish & Wildl. Serv., Publ. U. Rm. 148, Washington, DC 20240 FR 33(4)
 - [U.S. Fish & Wildl. Serv., Natl. Flsh. Res. Cent.-Great Lakes, Ann A
- 88-00455) Martin, T. J. and P. C. Heemstra. IDENTIFICATION OF (PISCES: PERCIFORMES, AMBASSIDAE) FROM SOUTH AFRICA. S. Afr. 12, 1988. In English with Africans summ. FR 33(4)
- (Dep. Zool., Univ. Zululand, kwaDlangezwa 3886, South Africa) notolensis, and A. gymnocephalus.

104553 Miller, P. J. NEW SPECIES OF CORCYROGOBIUS, THOROGOBIUS ELERIGOBIUS FROM WEST AFRICA (TELEOSTEI: GOBIIDAE), J. Nat. Hist. 22(5) . 1988. FR 33(4) tool. Dep., The Univ., Bristol BS8 IUG. England] Corcyrogobius tubbockt, Thoro ni, and Wheelerigobius wirtzi. 04554 Miller, Peter J. STUDIES ON *SILHOUETTEA* SMITH 1959 AND AN ACCOUR MECOBIUS HERRE 1946 (PISCES: GOBIIDAE). Sanckenb. Biol. 68(4/6):241-273. nglish, FR 33(4) Dep. Zool., Univ. Bristol, Woodland Rd., Bristol BS8 1UG, England) S. Instrucc oyi, S. aegyptia, S. Indica, S. nuchipunctatus, S. evanida, S. hoesel, S. dotul, H. 04555 Obregon-Barboza, Hortencia and Salvador Contreras-Balderas. [A NEW SP ENDEMIC POECILIIO FISH FROM MUZQUIZ, COAHUILA (XIPHOPE MORATUS).] Publ. Biol. (Mexico) 2(3):93-124. 1988. In Spanish with English sum) ac. Cienc. Biol., Univ. Auton. Nuevo Leon, Apdo. Postal 504, San Nicolas 🤇 a, Mexicol 04556 Oyarzun, Ciro and Patricio W. Campos. [DISSOSTICHUS ELECINOIDES ; CONSIDERATIONS ABOUT ITS TAXONOMIC DETERMINATION AND BIOGEOGR ICATIONS (PISCES, PERCIFORMES, NOTOTHENITOAE).] Rev. Blot. Mar. 23(2) 1987. In Spanish with English summ. FR 33(4) Ontificia Univ. Catolica Chile, Dep. BIOTECMAR, Casilla 127, Talcahuano, Chile] 04557 Pequeno, German and Rosa Plaza. [DESCRIPTION OF PARALICHTHYS Di SP., WITH NOTES ON OTHER CONGENERIC FLOUNDERS FROM URONECTIFORMES, BOTHIDAE) | Rev. Blot. Mar. 23(2):159-172. 1987. In S English summ, FR 33(4) nst. Zool., Univ. Austral Chile, Casilla 567, Valdivia, Chile) Pigg, Jimmie. SURVEY OF FISHES IN THE OKLAHOMA PANHANDLE

EQUES IWAMOTOT, FROM THE WESTERN ATLANTIC, WITH COLOR DESCRIPTIO JUVENILE AND JUVENILE PAREQUES ACUMINATUS AND PAREQUES UMBROSUS.

. Sct. 43(1):88-92. 1988. FR 33(4) OZ Wesley Oak Dr., St. Simons, GA 315221

plocfill, and A. guttatus.

04558 PER COUNTY, NORTHWESTERN OKLAHOMA, Proc. Okla. Acad. Sci. 67:45-59, 198 loore High School, Moore, OK1

04559 Pitruk, D. L. NEW DATA ON THE SAKHALIN FLOUNDER, L/A

HALINENSIS. J. Ichthyol. (Engl. Transl. Vopr. Ikhtlol.) 27(6):116-119. 1987. FR nst. Biol. Sea, DVNTs AN SSSR - IBM, Vladivostok, USSR]

94560 Randall, John E. THREE NOMENCLATORIAL CHANGES IN INDO-P/

GEONFISHES (ACANTHURINAE). Pac. Sci. 41(1-4):54-61. 1987. FR 33(4)

Bernice P. Bishop Mus., P.O. Box 19000-A, Honolulu, HI 96817] Ctenoc finatus, C. cyanoguttatus, Acanthurus nigricauda, A. nigricans, A. bleekeri, A.

- 88-C04562 Ryon, Michael G. and James M. Loan. A CHECKLIST DEPARTMENT OF ENERGY DAK RIDGE RESERVATION. J. Tenn. Aca 1988. FR 33(4)
 - [Oak Ridge Natl. Lab., Oak Ridge, TN 37831]
- 88-004563 Saksena, Vishnu P. and William J. Richards. A NEW SP FISH, BRECMACEROS HOUDEI, FROM THE WESTERN NORTH ATLAN 38(2):285-292, 1986, FR 33(4)
 - [Dep. Biol., Muskingum Coll., New Concord, OH 43762]
- 88-004564 Scharti, Manired and Johannes Horst Schröder. A NEW SP XIPHOPHORUS HECKEL 1848, ENDEMIC TO NORTHERN COAHUILA, Biol. 68(4/6):311-321. 1987. In English, FR 33(4)
 - [Genzentrum, Max-Planck-Inst. Biochem., D-8033 Martinsried, West
- 88-004565 Springer, Victor G. ROTUMA LEWISI, NEW GENUS AND SI THE SOUTHWEST PACIFIC (GOBIOIDEL, XENISTHMIDAE). Proc 101(3):530-539, 1988. FR 33(4) [Div. Fishes, Dep. Vertebr. Zool., Natl. Mus. Nat. Hist., Smithson DC 20560]
- 88-004566 Starnes, Wayne C. and Robert E. Jenkins, A NEW CYF GENUS PHOXINUS (PISCES: CYPRINIFORMES) FROM THE TENNESS WITH COMMENTS ON RELATIONSHIPS AND BIOGEOGRAPHY. Pro 101(3):530-539. 1988, FR 33(4)
- [Div. Fishes, Dep. Vertebr. Zool., Natl. Mus. Nat. Hist., Smithson DC 20560] P. tennesseensis.
- 88-004567 Stauffer, Jay R., Jr. THREE NEW ROCK-DWELLING CI CICHLIDAE) FROM LAKE MALAWI, AFRICA. Copela 1988(3):663-668. I [School For. Resour., Pa. State Univ., University Park 16802] Pset Cyaneus, and P. ater.
- 88-004568 Sulak, Kenneth J. and Yuri N. Scherbachev. A NEW SPE-BATHYPTEROIS (BATHYCYGNUS) ANDRIASHEVI (CHLOROPHTHA WESTERN SOUTH PACIFIC OCEAN. Copela 1988(3):653-659. 1988. FR [Atlantic Reference Cent., Huntsman Mar. Sci. Cent., St. Andre 2X0]
- 88-004569 Tarakanov, E. A. and A. V. Balushkin. [SY: ANGLERFISHES OF THE GENUS CERATIAS.] Mar. Blol. Viadivostok 1 Russian with English summ. FR 33(4)
- (Leningrad State Univ., Zool. Inst., Acad. Sci USSR, Lening holboelli and C. tentoculotus.

4571 Vasisht, H. S.; J. M. Julka and B. Bala. SYSTEMATICS OF THE FAC STREAMS AT SOLAN (H.P.). Res. Bull. Panjob Univ. Sci. 38(3-4):141-143. 19 . Panjab Univ., Chandigarh, India) 4572 Vogt. Kenneth D. LIPARIDAE GILL, [30 SEPTEMBER] 1861 (OSTEICH PAENIFORMES): PROPOSED CONFIRMATION OF SPELLING. Bull. Zool. N 130-131, 1988, FR 33(4) Box 230325, Anchorage, AK 99523-03251 Liparts spp. 4573 Wheeler, Alwyne. THE NOMENCLATURE OF THE SOLE. SOLEA AEUS, 1758). J. Flsh. Blot. 33(3):489-490. 1988. FR 33(4)
P. Zool., British Mus. (Nat. Hist.), London SW7 5BD, England 4574 Williams, R. THE INSHORE MARINE FISHES OF THE VESTFOLD HILLS R RCTICA. Hydroblologia 165:161-167, 1988, FR 33(4) tarctic Div., Dep. Sci., Kingston, Tasm. 7150, Australia) 4575 Wongratana, Thosaporn. LEIOGNATHUS PAN, A NEW PONYFISH (P NATHIDAE) FROM THAILAND, WITH COMMENTS ON THAI LEIGGNATHIDS. Soc. Wash. 101(3):496-502, 1988, FR 33(4) iv. Mus. Zool., Dep. Biol., Fac. Sci., Chulalongkorn Univ., Bangkok i bne 4576 Zhou Caiwu; Yang Qing and Cai Dolin. [ON THE CLASSIFICATION RIBUTION OF THE SINIPERCINAE FISHES (FAMILY SERRANIDAE).] Zool 113-125, 1988. In Chinese with English summ. FR 33(4) andong Univ., Jinan, China) Coreosiniperca routel, Siniperca chuatsi, S. sch perca whiteheadi, C. kawamebari, and C. herzi. 1577 Zorzi, George D. and M. Eric Anderson. RECORDS OF THE DEEP-SEA SI (AMBLYRAJA) BADIA GARMAN, 1899 AND BATHYRAJA ABYSSICOLA (GIL IN THE EASTERN NORTH PACIFIC, WITH A NEW KEY TO CALIFORNIA SE Fish Came 74(2):87-105, 1988, FR 33(4) P. Ichthyol., Calif. Acad. Sci., Golden Gate Park, San Francisco, 94118] SITES AND DISEASES-GENERAL 4578 Arai, H. P.; Z. Kabata and D. Noakes. STUDIES ON SEASONAL CHANGE TUDINAL DIFFERENCES IN THE METAZOAN FAUNA OF THE SHINER F TOGASTER AGGREGATA, ALONG THE WEST COAST OF NORTH AMERICA. 66(7):1514-1517. 1988. In English with French summ. FR 33(4) A. Biol. Sci., Univ. Calgary, Calgary, AB, Canada T2N IN4]

SUBJECTION DISCUSSES OF SALM

ERTS ON OTHER NOMINAL CURIMATID AND PROCHILODONTID BY FOWLER.
1ERT 777-780. 1989. FR 33(4)

Vertebr. Zool. (Fishes), Natl. Mus. Nat. Hist., Smithsonian Inst., Washingt

AEN 177-780, 1988, FR 33(4)

ρ. 1

- 88-004580 Dechtiar, Alex O. and Stephen J. Nepszy. SURVEY OF TH OF SELECTED FISH SPECIES FROM LAKE ERIE, 1970-1975. *Great Lake* Rep. No. 51, p. 49-65, 96-106, 1988. FR 33(4)
- Rep. No. 51. p. 49-03, 96-106. 1966. FR 33(4) [Nepszy: Minist. Nat. Resour., Lake Erie Fish. Stn., R.R. #2, Wheat 2P01
- 88-004531 Dechtiar, Alex O. and Andrew H. Lawrie. SURVEY OF TH OF LAKE SUPERIOR FISHES, 1969 TO 1975. Creat Lakes Fish. Comm.
- p. 1-18, 96-106, 1988, FR 33(4) [Lawrie: Minist. Nat. Resour. Res. Stn., Fish Branch, Box 50, Maj 1E0]
- 88-004582 Dechtiar, Alex O. and W. J. Christie. SURVEY OF THE P. LAKE ONTARIO FISHES, 1961 TO 1971. Great Lakes Fish, Comm. Tech.
- 106, 1988, FR 33(4)
 [Christle: Minist. Nat. Resour., Glenora Fish. Stn., R.R. 4, Picto 2T0]
- 88-004583 Dechtiar, Alex O.; John J. Collins and James A. Reckal PARASITE FAUNA OF LAKE HURON FISHES, 1961 TO 1971. Great Lake Reg. No. 51, p. 19-48, 96-106, 1988. FR 33(4)

[Collins: Minist. Nat. Resour., Lake Huron Fish. Res. Stn., R.R. Canada POP 2CO]

- 88-004584 Dupont, Francis and Alain J. Crivelli. DO PARA DISADVANTAGE TO HYBRIDS? A CASE STUDY OF ALBURNUS ALL RUBILIO, A NATURAL HYBRID OF LAKE MIKRI PRESPA, NORTHERN (Berl.) 75(4):587-592. 1988. FR 33(4)
 - [Lab. Parasitol. Comp., U.S.T.L., Place E. Bataillon, F-34060 Montpe
- 88-004585 Kennedy, C. R. INTERACTIONS OF FISH AND PARASITS PERPETUATE OR PIONEER? Linn. Soc. Symp. Ser. No. 11 p. 1-20. 198 [Dep. Biol. Sci., The Univ., Exeter EX4 4PS, England]
- 88-004586 Kent, Michael L.; M. S. Myers; D. E. Hinton; W. D. Eato SUSPECTED TOXICOPATHIC HEPATIC NECROSIS AND MEGALOCYTO ATLANTIC SALMON SALMO SALAR IN PUGET SOUND, WASHINGTON Org. 4(2):91-100. 1988. FR 33(4) [Battelle Mar. Res. Lab., 438 W. Seguim Bay Rd., Seguim, WA 98382
- 88-004587 Muzzall, Patrick M.; Gary E. Whelan and C. Robert Pee BURBOT, LOTA LOTA (FAMILY GADIDAE), FROM THE FORD RIV

PENINSULA OF MICHIGAN. Con. J. Zool, 65(11):2825-2827, 1987, In

summ. FR 33(4)
[Dep. Nat. Sci., Mich. State Univ., East Lansing 68824]

dinist. Nat. Resour., Lake Erie Fish. Res. Stn., R.R. #2, Wheatley, ON, Canac Selected chapters indexed in this issue of Fisheries Review. 004589 Rollinson, D. and R. M. Anderson, editors. ECOLOGY AND GENETIC T-PARASITE INTERACTIONS, Linn. Soc. Symp. Ser. No. 11, p. 1-266, 1985, FR elected papers indexed in this issue of Fisheries Review. 104590 Roubal, Frank R. COMPARISON OF ECTOPARASITE PATHOLOGY ON GIL LOWFIN BREAM, ACANTHOPAGRUS AUSTRALIS (GUNTHER) (PISCES: SPARIDA FACE AREA APPROACH. Aust. J. Zool. 35(1):93-100. 1987. FR 33(4) Dep. Parasitol., Univ. Queensland, St. Lucia, Old. 4067, Australial 104591 - Semenas, L.; C. Ubeda; S. Ortubay; P. Noguern; J. Revenga and G. N ALTH STATUS OF FISH POPULATIONS IN PATAGONIAN ANDEAN LAKES. I In: Pr nadas Nacionales de Fauna Silvestra: Resumenas (Univ. Nac. La Pampa). p. 17-18. nish abstract only. FR 33(4) 04592 Tell', Kh. I. [FISH PARASITES IN EUTROPHIC LAKES IN THE ESTONIAN Res. Vod. Basseina Balt. Morya, p. 191-192. 1987. In Russian From Helmi tr. Ser. A Anim. Human Helminthol. 57(6):1535, 1988, FR 33(4) nst. Zool. & Parasitol., AN Litovskoi SSR, USSR] 10:1593 Vyalova, G. P. and V. N. Voronin. [MICROSPORIDIOSIS OF SALMONII HALIN: INFECTION PREVALENCE AND DYNAMICS. | Parazitologiya 21(4):553-588. lussian with English summ, From Protozool. Abstr. 12(5):1242, 1988. FR 33(4) ncorhynchus keta, O. masou, O. gorbuscha, Salvelinus malma, and S. leucomaenis. CTERIAL DISEASES Austin, B. and A. M. J. Al-Zahrani, THE EFFECT OF ANTIMICRO 04594 IPOUNDS ON THE GASTROINTESTINAL MICROFLORA OF RAINBOW TROUT. S RDNERI RICHARDSON, J. Fish Blot. 33(1):1-14, 1988, FR 33(4) Dep. Brewling & Biol. Sci., Heriot-Walt Univ., Chambers St., Edinburgh EHI landl 104595 - Baba, T.; J. Imamura; K. Izawa and K. Ikeda. IMMUNE PROTECTION IN (PRINUS CARPIO L., AFTER IMMUNIZATION WITH AEROMONAS HYDROPHILA C OPOLYSACCHARIDE. J. Fish Dis. 11(3):237-244. 1988. FR 33(4) Dep. Vet. Microbiol., Coll. Agric., Univ. Osaka Prefecture, Mozu-Umemachi 4, ka 591. Japan l Bell, G. R.; G. S. Traxler and C. Dworschak. DEVELOPMENT IN VITRO 04596 HOGENICITY OF AN ERYTHROMYCIN-RESISTANT STRAIN OF RENIBACT. MONINARUM, THE CAUSATIVE AGENT OF BACTERIAL KIDNEY DISEAS

Dep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nanaimo, BC, Canad

MONIDS, Dis. Aquat. Org. 4(1):19-25, 1988, FR 33(4)

M4588 - Nepszy, Stephen J., editor. PARASITES OF FISHES IN THE CANADIAN W THE GREAT LAKES. *Great Lakes Fish. Comm. Tech. Rep.* No. 51, 106p. 1988. FR

IDENTIFICATION OF STREPTOCOCCOSIS OF RAINBOY GAIRDNERI). Onderstepoort J. Vet. Res. 55(1):59-61. 1988. FR 33(4) IFish Dis. Unit, Vet. Res. Inst. Onderstepport, Onderstepport 0110.

88-004598 Daly, J. G. and R. M. W. Stevenson. INHIBITORY EFF TISSUE ON THE GROWTH OF RENIBACTERIUM SALMONINARUM. 4(3):169-171. 1988. FR 33(4)

[Dep. Microbiol., Coll. Biol. Sci., Univ. Guelph, Guelph, ON, Canad

88-004599 Ellis, A. E.; A. S. Burrows and K. J. Stapleton. LACI BETWEEN VIRULENCE OF AEROMONAS SALMONICIDA AND THE PL FACTORS: A-LAYER, EXTRACELLULAR PROTEASES HAEMOLYSINS. J. Fish Dis. 11(4):309-323. 1988. FR 33(4) AND

[Mar. Lab., P.O. Box 101, Aberdeen A89 8DB, Scotland]

88-004600 Ellis, A. E.; K. J. Stapleton and T. S. Hastings. TH RESPONSE OF RAINBOW TROUT (SALMO CAIRDNERI) IMMUNISED BY AND PREPARATIONS OF AEROMONAS SALMONICIDA ANTIGE Immunopathol, 19(2):153-164, 1988, FR 33(4)

88-004601 Espelid, S.; K. O. Holm; K. Hjelmeland and T. Jorge ANTIBODIES AGAINST VIBRIO SALMONICIDA: THE CAUSATIVE AG VIBRIOSIS ('HITRA DISEASE') IN ATLANTIC SALMON, SALMO SAL 11(3):207-214. 1988. FR 33(4)

[DAFS Mar. Lab., Victoria Rd., Torry, Aberdeen AB9 8DB, Scotland

[Found. Appl. Res., Univ. Tromso (FORUT), P.O. Box 3063 C Norwayl

Evenberg, D.; P. De Graaff; B. Lugtenberg and W. VACCINE-INDUCED PROTECTIVE IMMUNITY AGAINST AFROMONAS S IN EXPERIMENTAL CARP ERYTHRODERMATITIS. J. Fish Dis. 11(33(4) [Lab. Bacterial Vaccine, Natl. Inst. Public Health & Environ. Hyg. 3720 BA Bilthoven, Netherlands Cyprinus carpia.

88-004603 Fryer, J. L.; R. P. Hedrick; J. W. Park and Y. C. AEROMONAS SALMONICIDA FROM MASU SALMON IN THE REPUBLIC Dis. 24(2):364-365, 1988, FR 33(4)

(Dep. Microbiol., Oreg. State Univ., Corvallis 97331) Oncorhynchus

88-004604 Hayakawa, Yutaka; Yukio Fujimaki; Yasushi Tomizawa; Kis Kubota; Kenzou Sawada; Yasuhiko Jo and Makoto Isogai. (HISTO IMMUNOHISTOCHEMICAL STUDIES ON AN EFFECT OF VACCINE FO Fish Pathol. 23(2):85-90. 1988. In Japanese with English summ. FR 33([Dep. Fish Dis., Nippon Vel. & Zootech. Coll., 1-7-1 Kyonan Cho, I Japan | Plecoglossus attivelis.

Hjelmeland, K.; K. Stensvag; T. Jorgensen and S. Espi CHARACTERIZATION OF A SURFACE LAYER ANTIGEN FROM VIBR

Fish Dis. 11(3):197-205, 1988, FR 33(4)

way 004606 Jenkins, Jill A. and Donald D. Ourth. COMPLEMENT MEDIATED DAMA CTERIA BY CHÂNNEL CATFISH, ICTALURUS PUNCTATUS PLASMA. J. Temo. 63(4):118-119, 1988, Abstract only, FR 33(4) Kawahara, Eijiro and Ruchi Kusuda, LOCATION OF PASTEURFLLA PISC 004607 TIGENS IN TISSUES OF YELLOWIAIL SERIOLA QUINQUERADIATA VACCINATI IERSION. Nippon Sulsan Gakkaishi 54(7):1101-1105, 1988. FR 33(4) Fish Dis. Lab., Kochi Univ., Monobe, Nankoku, Kochi 783, Japan 004608 Kent, Michael L.; Christopher F. Dungan; Ralph A. Elston and Richard A TOPHACA SP. (CYTOPHAGALES) INFECTION IN SEAWATER PEN-REARED ATL MON SALMO SALAR. DIS. Aquat. Org. 4(3):173-179, 1988. FR 33(4) Battelle Mar. Res. Lab., 439 W. Sequim Bay Rd., Sequim, WA 98382] 004609 Markwardt, Nancy Morrison. A METHOD TO ELIMINATE THE ASYMPTO RRIER STATE OF *AEROMÓNAS SALMONICIDA* IN JUVENILE SPRING CHINOOK SA CORHYNCHUS TSHAWYTSCHA), M.S. Thesis, Univ. Idaho 49p. 1988. FR 33(4) 004610 Morales, Patricia. FISH TUBERCULOSIS. A ZOONOTIC DISEASE OF PA (Am. Assoc. Zool, Parks Aquariums) Regional Conf. Proc. p. 89-92, 1988. FR Steinhart Aquarium, Calif. Acad. Sci., San Francisco 94123] 004611 O'Grady, P.; M. Moloney and P. R. Smith. BATH ADMINISTRATION O INOLINE ANTIBIOTIC FLUMEQUINE TO BROWN TROUT SALMO TRUTTA AND ATL -MON' S. SALAR. Dis. Aquot. Org. 4(1):27-33, 1988, FR 33(4) Dep. Microbiol., University Coll., Galway, Ireland) 004612 Ocvirk, Joze; Miha Janc; Svetlana Jeremic and Boris Skalin. THE FIRST ENTERIC REDMOUTH DISEASE IN YUGOSLAVIA. Ichthyos No. 6, p. 34-37, 19 bo-Creatian and English FR 33(4) Fish. Res. Inst., Ljubljana, Yugoslavia) Salmo gairdneri.

Found. Appl. Res., Univ. Tromso (FORUT), P.O. Box 3063 Guleng, 9001 T

004605 CONTINUED

004613 Pascho, R. J.; D. G. Elhott; R. W. Mallett and D. Mulcahy. COMPARISO Æ TECHNIQUES FOR THE DETECTION OF RENIBACTERIUM SALMONINARUM IN A HO SALMON. Trans. Am. Fish. Soc. 116(6):882-890. 1987. FR 33(4) NeoRx Corp., 410 W. Harrison, Seattle, WA 98119] Oncorhynchus kisutch.

094614 Perez Benavente, G. and F. J. Gatesoupe. BACTERIA ASSOCIATED LTURED ROTIFERS AND ARTEMIA ARE DETRIMENTAL TO LARVAL TU OPHTH ALMUS MAXIMUS L. Aquacuit. Eng., 7(4): 289-293. 1988. FR 33(4)

IFREMER/INRA, Cent. Brest. BP 337, 29273 Brest Cedex, France)

(104615 Paters, Gabriele: M. Faisal; T. Lang and Iman Ahmed. STRESS CAUSI CIAL INTERACTION AND ITS EFFECT ON SUSCEPTIBILITY TO AEROM DROPHILA INFECTION IN RAINBOW TROUT SALMO GAIRDNERI. Dis. Aquot. Hamburg, West Germany)

- 88-004616 Saheki, Kazuaki and Tsutomu Kawanishi. [SALMONELLA C FISH MEALS PREPARED IN THE COASTAL AREAS OF JAPAN . I NIPPO 54(7):1189-1194, 1988. In Japanese with English summ. FR 33(4) [Tokyo Univ. Fish., Konan, Minato, Tokyo 108, Japan]
- Sovenyi, J. F.; M. Bercsenyl and J. Bakos. COMPARATIVE SUSCEPTIBILITY OF TWO GENOTYPES OF CARP (CYPRINUS CARPIO WITH AEROMONAS SALMONICIDA. Aquaculture 70(4):301-308. 1988. FR [Vet. Med. Res. Inst. Hungarian Acad. Sci., Budapest, pf. 18, 1581 F
- 88-004618 Tajima, Kenichi; Yoshio Ezura and Takahisa Kimura. [VIBRIO ANGUILLARUM IN OTSUCHI BAY AS FISH CULTURE ENVIRONMI 23(2):95-103, 1988. In Japanese with English summ. FR 33(4) [Fac. Fish, Hokkaido Univ., Hakodate, Hokkaido 041, Japan] Oncorhyi
- 88-004619 Takemaru, Iwao and Riichi Kusuda. [EFFECT OF JOSAMYCII ON INTESTINAL MICROFLORA OF CULTURED YELLOWTAIL ! Nippor 54(5):837-840. 1988. In Japanese with English summ. FR 33(4).
- [Fish Dis. Lab., Fac. Agric., Kochi Univ., Nankoku, Kochi 7 quinquerodiota.
- 88-004620 Thorburn, Margaret A. and Eva L. K. Jansson. THE EFF VACCINATION AND FISH SIZE ON SURVIVAL AND ANTIBODY PRODU VIBRIO INFECTION OF BATH-VACCINATED RAINBOW TROUT, S Aquaculture 71(4):285-291, 1988, FR 33(4)
 - [Natl. Vet. Inst., Box 7073, S-750 07 Uppsala, Sweden]
- Tiecco, G.; C. Sebastio; E. Francioso; G. Tantillo VACCINATION TRIALS AGAINST 'RED PLAGUE' IN EELS. Dis. Aquat. 1988. FR 33(4)
- [Inst. Ispezione Alimenti, Fac. Med. Vet., Univ. Studi Bari, CP7, Italy) Anguilla anguilla.
- 88-004622 van de Moer, A.; J.-F. Manier and G. Bouix, [ULTRASTRU DERMOCYSTIDIUM MACROPHAGI N.SP., AN INTRACELLULAR PA GAIRDNERI RICHARDSON, 1836.] Ann. Sci. Nat. Zool. Biol. Anim. 9(French with English summ, FR 33(4)
- [Lab. Ichtyol. & Parasitol. Gen., U.S.T.L., Place Eugene-Bataillo Cedex, France)

FUNGAL DISEASES

88-004623 El-Feki, Mostafa Abd El-Fattah, STUDIES ON TH INTERACTION BETWEEN CARP AND SAPROLECNIA. Ph.D. dissert (Birmingham), 273p. 1987. From Diss. Abstr. Int. B Sci. Eng.

19624 Noga, Edward J.; Jay F. Levine; Michael J. Dykstra and Jess H. Haw BOLOGY OF ULCERATIVE MYCOSIS IN ATLANTIC MENHADEN BREVOO ANNUS, Dis. Aquot. Org. 4(3):189-197, 1988, FR 33(4) ep. Companion Anim. & Special Species Med., Coll. Vot. Med., State Univ., Ral 7606] TOZOAN DISEASES 34625 Cone, D. K. and P. H. Odense. OCCURRENCE OF HETEROPOLARIA LW DRE-FRENIET, 1943) AND APIOSOMA PISCICOLA BLANCHARD, 1885 (CILIATA PELINUS FONTINALIS (MITCHILL) IN NOVA SCOTIA, CANADA. Can. J. 3):2426-2429, 1987. In English with French summ. FR 33(4) ep. Biol., St. Mary's Univ., Halifax, NS, Canada B3H 3C3]

prinus carpio.

M626 Das, M. K. and D. P. Haldar. URGEOLARID CILIATES OF THE G WARTIELLA INVADING GILLS OF FRESHWATER CULTURED CARP IN INDIA. . stenkd. 134(2-3):169-178, 1986. From Protozool. Abstr. 12(6):1537, 1988. FR 33(4) ep. Zool., Univ. Kalyanı, Kalyanl 741235, West Bengal, India] *Labeo rohita, Cyp* lo, Cirrhinus mrigola, Catla catla, and Ctenopharyngodon idella. 14627 Davies, A. J. and I. K. Sienkowski, FURTHER STUDIES ON *ISCHOKK*

SELLI TRIPATHI (MYXOZOA: MYXOSPOREA) FROM CILIATA MUSTELA I.. (TELEO: IDAE), WITH EMPHASIS ON ULTRASTRUCTURAL PATHOLOGY AND SPOROGENESI ep. Analyt. & Biol. Chem., Kingston Polytech., Penchyn Rd., Kingston Upon Th

Dis. 11(4):325-336, 1988, FR 33(4) ey KT1 2EE, England] Hedrick, R. P.; J. M. Groff; P. Foley and T. McDowell. 34628

INISTRATION OF FUMAGILLIN DOLL PROTECTS CHINOOK SALMON ONCORHYN AWYTSCHA FROM EXPERIMENTALLY-INDUCED PROLIFERATIVE KIDNEY DISEASE ot. Org. 4(3):165-168, 1988, FR 33(4) quaguit, & Fish. Program, Dep. Med., School Vet. Med., Univ. Calif., Davis 95616

04629 Karanikolov, I. and A. Zaikov. [ECTOPARASITES OF LARVAE OF ICTAL CTATUS AND THEIR CONTROL.) Zhivotnov'd. Nauki 24(9):85-88. 1987. In Bulg Russian and English summ. From Protozool. Abstr. 12(7):1842, 1988. FR 33(4) nst. po Sladkovodno Ribovidstvo, Plovdiv, Bulgaria)

04630 Kiskaroly, M. and A. Tafro. [SYMPTOMS, PATHOLOGY AND GRADIES MOST FREQUENT PARASITIC DISEASES IN FISH IN FRESHWATER PONDS Kiskaroly, M. and A. Tafro. [SYMPTOMS, PATHOLOGY AND DIAGNOSI

ASES CAUSED BY PROTOZOA-1.] Vet. Glas. 41(7-8): 619-624. 1987. In Serbo Cri

English and Russian summi. From Protozool. Abstr. 12(8):2173. 1988. FR 33(4) et Fak., Sarajevo, Yugoslavia)

REGION, AND REGULATORY MEASURES FOR THEIR CONTROL. IN In natural waters and aquaculture in Nordic countries. Proceedi December 1986, Stockholm, Sweden. (edited by A. Stenmark and 1987. From Protozool. Abstr. 12(6):1536. 1988. FR 33(4) [Dep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nat 5K61

MIRANDELLAE VANEY & CONTE, 1901, A MICROSPORIDIAN PARAS OF RIVERS IN HERAULT: TAXONOMY AND HISTOPATHOLOGY. J.

[Lab. Ichtyof. & Parasitol. Gen., Univ. Sci. & Tech. Languedo Leuciscus leuciscus, L. cephalus, Telestes soulla, and Gobio gobio.

Molnar, Kalman, DEVELOPMENT OF MYXOBILATUS FISHES. Dis. Aquat. Org. 4(3):181-187, 1988, FR 33(4) [Vet. Med. Res. Inst., Hungarian Acad. Sci., P.O. Box 18, H-1 Scardinius erythrophthalmus in Hungary.

Maurand, J.; C. Loubes; C. Gasc; J. Pelletier and J.

88-004634 Odening, K. [SPHAEROSTOMA RENICOLA (MYXOSPO) PROTOZOAL SWIM-BLADDER INFLAMMATION IN YOUNG CAR 28(4(Suppl.)):1-16. 1987. In German. From Protozcol. Abstr. 12(6) [Forschung, Wirbeltierforschung Akad, Wissenschaft, DDR, Am T

Germany Cyprinus corpio.

88-004635 Skrudland, A. [AN OUTBREAK OF ICHTHYOBODO NEC Norsk Veterinaertidsskr. 99(10):729-730. 1987. In Norwegian. 12(5):1243. 1988. FR 33(4)

88-004636 Wierzbicka, J. and E. Sobecka, PARASITIC FAUNA O (L.) IN THE LAKE DABIE. Acta Ichthyol. Piscatoria 15(2):191-202 Polish and Russian summ. From Protozool. Abstr. 12(8):2174. 1988. [Inst. Ichtiol., ul. Kazimierza Krolewicza 4, 71-550 Szczecin, Pola

88-004637 Woo, P. T. K. CRYPTOBIA AND CRYPTOBIOSIS IN 26:199-237, 1987, FR 33(4) [Dep. Zool., Coll. Biol. Sci., Univ. Guelph, Guelph, ON, Canada

with Spanish summ. FR 33(4)

1988, FR 33(4)

88-004633

VIRAL DISEASES.

[Dep. Fish. & Wildl./Ecol. Cent., Utah State Univ., Logan 84322]

88-004638 Wurtsbaugh, Wayne A. and Rene Alfaro Tapla, MASS MC LAKE TITICACA (PERU-BOLIVIA) ASSOCIATED WITH THE

ICHTHYOPHTHIRIUS MULTIFILIIS. Trans. Am. Fish. Soc. 117(2):2

88-004639 Awad, M. A.; K. E. Nusbaum and Y. J. Brady. DEVE

VACCINE FOR CHANNEL CATFISH VIRUS. J. Alo. Acad. Sci. 5 only, FR 33(4) [Dep. Fish. & Allied Aquacult., Auburn Univ., Auburn, AL 3684 SONAL PREVALENCE OF SKIN TUMORS FROM WALLEYE (STIZOSTEDION VITI M ONEIDA LAKE, NEW YORK. J. Wildt. Dis. 24(2):292-298. 1988. FR 33(4) Dep. Ayian, & Aquat, Anim, Med., N.Y. State Coll. Vet. Med., Cornell Univ., 31 9464) Chumnongsitathum, B.; J. A. Plumb and V. Hilge. HISTOPATHOL CTRON MICROSCOPY AND ISOLATION OF CHANNEL CATFISH VIRU ERIMENTALLY INFECTED EUROPEAN CATFISH, SILURUS GLANIS L. J. FISH 1:351-357, 1988, FR 33(4) lumb: Dep. Fish, & Allied Aquacult., Agric, Exp. Stn., Auburn Univ., Aubur 91 04642 Diamant, A.; D. A. Smail; L. McFarlane and A. M. Thomson, AN INFEC CREATIC NECROSIS VIRUS ISOLATED FROM COMMON DAB LIMANDA LIM VIOUSLY AFFECTED WITH X-CELL DISEASE, A DISEASE APPARENTLY UNRELATE PRESENCE OF THE VIRUS. *Dis. Aquat. Org.* 4(3):223-227, 1988, FR 33(4) Natl. Cent. Maricult., Israel Oceanogr. & Limnol. Res. Inst., Eilat, Israel 04643 Kamei, Yuto; Mamoru Yoshimizu; Yoshio Ezura and Takahisa K NTIFICATION OF *PSEUDOMONAS* SP. 46 NW-04 WHICH PRODUCES ANTIVIRAL A INST FISH VIRUSES. *Bull. Fac. Fish. Hokkaldo Univ.* 39(2):124-132. 1988. In Er 33(4) ab. Microbiol., Fac. Fish., Hokkaido Univ., Hakodate 041, Japan I 04644 McAllister, K. W. and P. E. McAllister, TRANSMISSION OF INFEC CREATIC NECROSIS VIRUS FROM CARRIER STRIPED BASS TO BROOK TROUT at. Ora. 4(2):101-104, 1988, FR 33(4) J.S. Fish & Wildl. Serv., Fish Cult. Res. Lab., Box 700, Kearneysville, WV elinus fontinalis and Morone saxatilis. 104645 Oseko, Norihisa; Mamoru Yoshimizu; Shigeaki Gorie and Takehisa K STOPATHOLOGICAL STUDY ON DISEASED HIRAME (JAPANESE FLOUI ALICHTHYS OLIVACEUS) INFECTED WITH RHABDOVIRUS OLIVACEUS (HI ABDOVIRUS; HRV), 1 Fish Pathol. 23(2):117-123, 1988. In Japanese with English 33(4) (imura: Fac. Fish., Hokkaido Univ., Hakodate 041, Japan) 104646 Oseko, Norihisa; Mamoru Yoshimizu and Takahisa Kimura. [EFFECT OF W IPERATURE ON ARTIFICIAL INFECTION OF RHABDOVIRUS OLIVACEUS (H ABDOVIRUS: HRV) TO HIRAME (JAPANESE FLOUNDER, PARALICHTYS OLIVACE Pathol. 23(2):125-132, 1988. In Japanese with English summ, FR 33(4) (:mura: Fac, Fish., Hokkaido Univ., Hakodate (H), Japan] 104647 Rodak, L.; Z. Pospisil; J. Tomanek; T. Vesely; T. Obr and L. V YME-LINKED IMMUNOSORBENT ASSAY (ELISA) DETECTION OF INFEC ICREATIC NECROSIS VIRUS (IPNV) IN CULTURE FLUIDS AND TISSUE HOMOGEI THE RAINBOW TROUT, SALMO GAIRDNERI RICHARDSON, J. Fish Dis. 11(3):22 3. FR 33(4) /et. Res. Inst., 62132 Brno, Czechoslovakia] 004<mark>648 Winton, J. R.; C. K. Arakawa; C. N. Lannan and J. L. Fryar, NEUTRAL</mark> 93115) Salmo gairdneri and Oncorhynchus tshawytscha.

83-(X)4649 Yoshimizu, Manoru; Makoto Tanaka a [HISTOPATHOLOGICAL STUDY OF TUMORS INDUCED BY ONCO (OMV) INFECTION.] Fish Pathol. 23(2):133-138. 1988. In Japan 33(4)

Lab. Microbiol., Fac. Fish., Hokkaido Univ., Minato 3-1-1, Ha and O. mosou.

OTHER DISEASES AND PARASITES

88-DD4650 Adamson, M. L., G. B. Deets and G. W. Benz. DE REDESCRIPTION OF FEMALE PHLYCTAINOPHORA SQUALI MI (NEMATODA; DRACUNCULOIDEA) FROM ELASMOBRANCHS. C 3010. 1987. In English with French summ. FR 33(4)

[Dep. Zool., Univ. British Columbia, Vancouver, BC, Cacanthias, Heterodontus francisci, Prionace glauca, and Rhinobata

88-004651 Amin, Omar M. ACANTHOCEPHALA FROM LAKE FISH ECOLOGY OF LEPTORHYNCHOIDES THECATUS (RHADINORHYNG Soc. Wash. 55(2):252-255. 1988. FR 33(4) [Dep. Biol. Sci., Univ. Wis.-Parkside, Box 2000. Kenosha 5314

88-004652 Bergstedt, Roger A. and Clifford P. Schneider. A & SEA LAMPREY IMPACTS: RECOVERY OF DEAD LAKE TROUT W. Assoc. Great. Lakes Res., Conf., 30:A-4, 1987. Abstract only. FR

(U.S. Fish & Wildl, Serv., Hammond Bay Biol. Stn., Rt. 1, 49759] Solvelinus namaycush.

88-004653 Bergstedt, Roger A. and Clifford P. Schneider. ASS (PETROMYZON MARINUS) PREDATION BY RECOVERY O (SALVELINUS NAMAYCUSH) FROM LAKE ONTARIO, 1982-85. 45(8):1406-1410, 1988. In English with French summ. FR 33(4) (U.S. Fish & Wildl. Serv., Hammond Bay Biol. Stn., Millersbur

83-004654 Bigler, Brian FOCAL SCALE DAMAGE (ONCORNYNCHUS KETA) OF THE BERING SEA AND THE GUGEOGRAPHIC DISTRIBUTION AND STOCK IDENTIFICATION. Univ. 39(2):80-85. 1988. In English, FR 33(4)

[Res Inst. N. Pac. Fish., Fac. Fish. Hokkaido Univ., Hakoda

88-004655 Bigler, Brian. FOCAL SCALE DAMAGE (ONCORHYNCHUS KETA) OF THE BERING SEA AND THE GUDISTRIBUTION AMONG PHYSICAL PARAMETERS. Bull. Fo. 39(1): 71-79, 1988. In English. FR 33(4)

[Res. Inst. N. Pac. Fish., Fac. Fish., Hokkaido Univ., Hakod

004657 Bortz, B. M.; G. E. Kenny; G. B. Pauley and A. H. Bunt-Milam. PREVA TWO SITE-SPECIFIC POPULATIONS OF DIPLOSTOMUM SPP. IN EYE INFECTIO INBOW TROUT, SALMO CAIRDNER! RICHARDSON, FROM LAKES IN WASHII ATE, U.S. A. J. Fish Blot. 33(1):31-43, 1988, FR 33(4) Coop. Fish. Res. Unit., School Fish., WH-10, Univ. Wash., Scattle 98195] 004658 Bowen, Charles A. II and Ralph M. Stedman. OCCURRENCE OF (SALMI) TUMESCENS) ON BLOATERS (COREGONUS HOYI) FROM LAKE HURON. Int. Assoc es Res. Conf. 30: A-6. 1987. Abstract only. FR 33(4) U.S. Fish & Wildl. Serv., Natl. Fish. Cent.-Greet Lakes, 1451 Green Rd., Ann. 48105] 004659 Bradley, Terence M.; Christian E. Newcomer and Kathleen O. M THELIOCYSTIS ASSOCIATED WITH MASSIVE MORTALITIES OF CULTURED LAKE LYELINUS NAMAYCUSH, Dis. Aquot. Org. 4(1):9-17, 1988. FR 33(4) Dep. Fish., Anim. & Vet. Sci., Univ. R.I., Kingston 02881-0804] Brattey, John. A SIMPLE TECHNIQUE FOR RECOVERING LARVAL ASCAI 00 1660 MATODES FROM THE FLESH OF MARINE FISH. J. Parasitol, 74(4):735-737. 198 4) Sci. Branch, Dep. Fish. & Oceans, P.O. Box 5667, St. John's, NF, Canada A1C 52 004661 Brinkmann, August, Jr. PRESENCE OF OTODISTOMUM SP. METACERCAR RWEGIAN MARINE FISHES, Sarsia 73(1):79-82, 1988, FR 33(4) Zool, Lab., Univ. Bergen, Allegaten 41, N-5007 Bergen, Norwayl Bruce, Niel L. and Elizabeth B. Harrison-Nelson, NEW RECORDS Of

00.1656 Boeger, Walter A. and Delane C. Kritsky. NEOTROPICAL MONOGENE CTYLOGYRIDAE FROM SERRASALMUS NATTERERI (CYPRINIFORMES, SERRASALM D ASPECTS OF THEIR MORPHOLOGIC VARIATION AND DISTRIBUTION 15 AZILIAN AMAZON, Proc. Helminthol. Soc. Wash. 55(2):188-213, 1988. FR 33(4)

Inst. Nac. Pesq. Amazonia, Manaus, Amazonas, Brazill

004662

Butler, S. A. TAXONOMY OF SOME TETRAPHYLLIDEAN CESTODES 004663 ASMOBRANCH FISHES, Aust. J. Zool, 35(4):343-371, 1987, FR 33(4) Dep. Parasitol., Univ. Queensland, St. Lucia, Qld. 4067, Australia]

RASITIC MARINE ISOPOD CRUSTACEANS (CYMOTHOIDAE, SUBFAMILY ANILOC OM THE INDO-WEST PACIFIC. Proc. Blot. Soc. Wash. 101(3):585-602, 1988. FR 331

Queensland Mus., P.O. Box 300, South Brisbane, Qld. 4101, Australia)

004664 Cairns, V. W. and J. D. Fitzsimons. PAPILLOMAS AND LIVER NEOPLA

ITE SUCKERS, Int. Assoc. Great Lakes Res. Conf. 30:A-9, 1987. Abstract on 4)

Great Lakes Lab. Fish. & Aquat. Sci., 867 Lakeshore Rd., Burlington, ON, Cana BI Catastomus commersoni in Lake Ontario.

FLUVIATILIS).] Riv., Ital., Piscic., Ittiop., 23(1):33-34, 37-38, 1988. summ. FR 33(4)

summ. FR 33(4)
[Cattedra Zool., Ist. Malattie Infettive, Profilassi Polizia Vet...

[Cattedra Zool., Ist. Malattie Infettive, Profilassi Polizia Vet., Fac. Med. Vet., Univ. Bologna, Bologna, Italy]

88-004666 Ching, Hilda Lei. THE DISTRIBUTION OF DIPHYLLOBOTHRIUM DENDRITICUM (NITZSCH) IN SOCKEYE SAL

NERKA) SMOLTS FROM GREAT CENTRAL LAKE, BRITISH COL 66(4):850-852, 1988. In English with French summ. FR 33(4) [Hydra Enterprises Ltd., P.O. Box 2184, Vancouver, BC, Canada

88-004667 Chowhan, J. S.; N. K. Gupta and S. Khera. ON TWO:
PALLISENTIS VAN CLEAVE, 1928 FROM FISHES OF GOBINDSAGAR
OF THE GENUS SACCOSENTIS TADROS, 1966. Res. Bull. Panjab U
1987. FR 33(4)
[Dep. Zool., Panjab Univ., Chandigarh, India] Channa puncto

(Dep. Zool., Panjab Univ., Chandigarh, India) Channa puncta India.

88-004668 Cloutman, Donald G. DACTYLOGYRUS (MONOGENE, FROM SEVEN SPECIES OF NOTROPIS (PISCES: CYPRINIDAE)

RIVER DRAINAGE: DESCRIPTIONS OF FOUR NEW SPECIES AN

RELATIONSHIPS. Proc. Helminthol. Soc. Wash. 55(2):214-223. 1988. [Duke Power Co., Prod. Envrion. Serv., Rt. 4, Box 531, Hunarlommus, N. rubricroceus, N. leuclodus, N. telescopus chrysocephalus, N. coccogenis, and N. rubellus.

88-004669 Cone, David K. and Paul H. Odense. LIGHT AND MICROSCOPE STUDIES OF FUNDULOTREMA PROLO GYRODACTYLIDAE) PARASITIZING FUNDULUS DIAPHANUS (CNOVA SCOTIA, CANADA, WITH AN EMENDED DIAGNOSIS OF Helminthol. Soc. Wash. 55(2):224-228. 1988. FR 33(4) [Dep. Biol., St. Mary's Univ., Halifax, NS, Canada B3H 3C3]

88-004670 Cressey, Roger and Colin Simpfendorfer. *PSEUDOPAI*NEW SPECIES OF PANDARID COPEPOD FROM AUSTRALIAN SHI
Wosh. 101(2):340-345. 1988. FR 33(4)
[Dep. Invertebr. Zool., NHB-163, Smithsonian Inst., W.

Rhizoprionodon ocutus, Carcharhinus dussumieri, Hemigaleus micr R. taylori. 88-004671 Cusack, R.; T. Rand and D. Cone. A STUDY OF BACT

ASSOCIATED WITH THE BODY SURFACE OF CYRODACTYLUS CO KRITSKY, 1967 (MONOGENEA), PARASITIZING SALMO CAIRDNER Dis. 11(3):271-274. 1988. FR 33(4) (Cone: Dep. Biof., St. Mary's Univ., Halifax, NS, Canada B3H 30

88-004672 Czarnecki, Z. and A. Bernard. INFECTION OF THE SW THE OLSZTYN DISTRICT. Cospododarka Rybna 39(9):15-16. 1987 summ. From Protozool. Abstr. 12(5):1244. 1988. FR 33(4) [ZHW Pracownia Chorob Ryb. Olsztyn, Poland] Cyprinus carplo. 004674 Duggal, C. L. and Harpreet Kaur. RHABDOCHONA MORAVECI SP. EMATODA: RHABDOCHONIDAE) FROM A FRESHWATER FISH, *BARBUS TOR* IN PL MA. Res. Bull. Panjab Univ. Sci. 39(3-4):137-139, 1987, FR 33(4) Dep. Zool., Panjab Univ., Chandigarh, India) 004675 Dyer, William G.; Ernest H. Williams, Jr. and Lucy Bunkley W SENETIC TREMATODES OF MARINE FISHES OF OKINAWA, JAPAN. *J. Pa*. 4):638-645, 1988, FR 33(4) Dep. Zool., South. III. Univ., Carbonadale 629011 004676 Gelnar, M. EXPERIMENTAL VERIFICATION OF THE EFFECT OF THE CALY OR SCALELESS) OF CARP HOST (C. CARPIO L.) ON THE GROWTH RA ROPOPULATIONS OF GYRODACTYLUS KATHARINERI MALMBERG, 1964 (MONOGE a Parasitol. 34(4):305-309. 1987. In English with Russian summ, From Helminthol. . A Anim. Human Helminthol. 57(6):1522, 1988, FR 33(4) Parazyt, ustav CSAV, Branisovska 31, 370 05 Česke Budejovice, Czechosic prinus carpio. 004677 Greenwood, S. J. and M. R. Bakor. CYSTIDICOLOIDES EPHEMERIC NSTOW, 1872) (NEMATODA) IN SPECKLED TROUT, SALVELINUS FONTINALIS, JTHERN ONTARIO, Can. J. Zool, 65(11): 2589-2593, 1987. In English with French 33(4) Dep. Zool., Univ. Guelph, Guelph, ON, Canada N1G 2W1] 004678 Ho, Ju-Shey and Masahiro Dojiri. MECADEROCHONDRIA PILGRIMI GE C. NOV., A CHONDRACANTHID COPEPOD PARASITIC ON A NEW ZEALAND M H, KATHETOSTOMA CIGANTEUM HAAST (TELEOSTEI: URANOSCOPIDAE). N.Z. J shwater Res. 21(4):615-620. 1987. FR 33(4) Inst. Parasitol., Dep. Biol., Calif. State Univ., Long Beach 90840] 004679 Hoffmann, R. W.; Th. Fischer-Scherl and C. Pfeil-Putzien. LYMPHOSAI A WILD GRAYLING, THYMALLUS THYMALLUS L.: A CASE REPORT. J. FIS 3):267-270, 1988, FR 33(4) Inst. Zool, & Hydrobiol., Univ. Munich, Kaulbachstr. 37, D-8000 Munich 22, manyl 004680 Hogans, W. E. *PSEUDOLERNAEOPODINA SYNAPHOBRANCHI* N. GEN., (PEPODA: LERNAEOPODIDAE) FROM THE EYE OF SYNAPHOBRANCHUS INSTON, 1862, IN THE NORTHWEST ATLANTIC OCEAN. J. Parasitol, 74(5):80 FR 33(4) Huntsman Mar, Sci. Cent., St. Andrews, NB, Canada EOG 2XU) 004681 Hogans, W. E. REVIEW OF SARCOTRETES JUNGERSEN, 1911 (COPE NELLIDAE) FROM MIDWATER AND DEMERSAL FISHES IN THE NORTH ATL EAN. Can. J. Zool. 66(6):1371-1375, 1988. In English with Franch summ. FR 33(4)

Huntsman Mar. Lab., St. Andrews, NB, Canada EOG 2X0]

RTEZ. Con. J. Zool. 66(4):866-874. 1988. In English with French summ. FR 33(4) Dep. Zool., Univ. British Columbia, 6270 University Blvd., Vancouver, BC, Canac

- 88-004692 Hyslop, E. J. FIRST OCCURRENCE OF ACANTHOGYRUS 1948) IN HEMICHROMIS SPECIES. J. Fish. Biol. 33(3):491-492, 1988. F [Dep. Biol., Univ. Swaziland, Private Bag No. 4, Kwaluseni, Swazila Nigeria.
- 88-004683 Joy, James E. MONTHLY LENGTH CLASS FREQUENCIE SPINICIRRUS (MONOGENEA: MICROCOTYLIDAE) FROM THE FAPLODINOTUS CRUNNIENS, IN WEST VIRGINIA. Proc. Helminthol. S 251, 1988, FR 33(4)
- 88-004684 Kabata, Z.; G. A. McFarlane and D. J. Whitaker, TREMAT ANOPLOPOMA FIMBRIA (PALLAS, 1811), AS POSSIBLE BIOLOGICA

[Dep. Biol. Sci., Marshall Univ., Huntington, WV 25701]

- IDENTIFICATION. Can. J. Zool. 66(1):195-200, 1988. In English wi 33(4)
 [Dep. Fish. & Oceans, Pac. Biol. Stn., Nanamo, BC, Canada V9R Sh
- 88-004685 Kaneko, J. J. II; R. Yamada; J. A. Brock and R. M. Naka TILAPIA. OREOCHROMIS MOSSAMBICUS (TREWAYAS), BY A MA NEOBENEDENIA MELLENI (MACCALLUM, 1927) YAMAGUTI, 1963 HAWAII, USA, AND ITS TREATMENT. J. FISH DIS. 11(4):295-300 1985

[Brock: Aquacult. Dev. Program, 335 Merchant St., Rm. 359, Honoli

- 88-CO4686 Khan. R. A. EFFECTS OF CHRONIC EXPOSUR HYDROCARBONS ON TWO SPECIES OF MARINE FISH INFECTED WITH TRYPANOSOMA MURMANENSIS. Con. J. Zool, 65(11):2703-2709. 15
- French summ. FR 33(4)
 [Mar. Sci. Res. Lab., Memorial Univ. Newfoundland, St. John's, Pleuronectes platessa and Pseudopleuronectes americanus.
- 88-004687 Khan, R. A. EXPERIMENTAL TRANSMISSION, DEVELOPM OF A PARASITIC COPEPOD, LERNAEOCERA BRANCHIALIS, ON ATI MORHUA. 1. Pacasital. 74(4):586-599. 1988. FR 33(4)
 - [Dep. Biol. & Mar. Sci. Res. Lab., Memorial Univ. Newfoundland, St AIC 587]
- 88-004688 Leaman, B. M. and Z. Kabata. NEOBRACHIELLA ROBL (COPEPODA: LERNAEOPODIDAE) AS A TAG FOR IDENTIFICATION HOST, SEBASTES ALUTUS (GILBERT, 1890) (PISCES: TELEOST 65(11):2579-2582, 1987. In English with French summ. FR 33(4) [Dep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nanai
- 5K6]
- V. Paula-Lopes, VERTEBRAI, ABNORMALITIES IN SILVER MULL VALENCIENNES 1836, PISCES: MUGILIDAE). Riv. Ital. Piscic. Ittlop. English with Italian summ. FR 33(4)
 - [Dep. Estomatol., Fac. Odontologia Riberrao Preto, 14050 Ribeirao Pr

88-004699 Lopes, Ruberval A.; Alfredo Nuti-Sobrinho; Heid S. Leme

104690 Mac, Michael J. and Carol C. Edsall, PATHOLOGY OF LAKE TROUT FRY ITHEASTERN LAKE MICHIGAN SUFFERING POST SWIM-UP MORTALITY. Int. . at Lakes Res. Conf. 30: A-40. 1987. Abstract only. FR 33(4) J.S. Fish & Wildl. Serv., Natl. Fish. Cent. Great Lakes, 1451 Green Rd., Ann. 18105] Salvelinus namayoush. 104691 Misra, A. and N. C. Nandi. A NEW HOST RECORD OF *CYMOTHOA II* HOEDTE AND MEINERT (CRUSTACEA: ISOPODA) FROM SUNDARBANS, WEST BE an J. Fish. 33(2):229-231. 1986. FR 33(4) Zool, Surv. India, Calcutta, India] Strongylurg strongylurg. 04692 Miyazaki, T.; W. A. Rogers and K. J. Semmens, GASTRO-INTEST TOPATHOLOGY OF PADDLEFISH, POLYODON SPATHULA (WALBAUM), INFECTED VAL HYSTEROTHYLACIUM DOLLFUSI SCHMIDT, LEIBY & KRITSKY, 1974. J. Fis D:245-250, 1988, FR 33(41) Rogers: Dep. Fish & Allied Aquacult., Auburn Univ., Auburn, AL 36849] 04693 Molnar, K. and E. Kovacs-Gayer, OBSERVATIONS ON THE INTRACELL COELOZOIC DEVELOPMENTAL STAGES OF HOFERELLUS CYPRINI (DOFLEIN, XOSPOREA, MYXOZOA). Parasital. Hung. 19:27-30. 1986. In English with Hung m. From Protozool. Abstr. 12(5):1245, 1988, FR 33(4) let. Med. Res. Inst., Hungarian Acad. Sci., Budapest, Hungaryl Cy*prinus carplo*. 04694 Murad, A. and S. Mustafa. BLOOD PARAMETERS OF CAT EROPNEUSTES FOSSILIS (BLOCH), PARASITIZED BY METACERCARIAE LOSTOMULUM SP. J. Fish Dis. 11(4):365-368. 1988. FR 33(4) Dep. Biol. Scl., Brock Univ., St. Catherines, ON, Canada L2S 3A11 04695 Muzzall, Patrick M. and C. Robert Peebles. HELMINTHS OF RAINBOW St ERUS MORDAX, FROM FIVE LOCALITIES IN LAKE HURON AND LAKE MICHIGAN. HASIS ON DIPLOSTOMUM SPATHACEUM. Proc. Helminthol. Soc. Wash. 55(2):28 FR 33(4) Dep. Nat. Sci., N. Kedzie Lab., Mich. State Univ., East Lansing 48824] 04696 Nash, G.; R. J. Roberts; Supranee Chinabut; Sopa Arcerat and C. Lims CIATION OF POND-CULTURED SNAKEHEAD, CHANNA STRIATUS (FOWLER). J. 11(3):215-224, 1988, FR 33(4) nst. Aquacult., Univ. Stirling, Stirling FK9 4LA, Scotland] 04697 Nemetz, T. G. and J. R. MacMillan, WOUND HEALING OF INCISIONS CL H A CYANOACRYLATE ADHESIVE. Trans. Am. Fish. Soc. 117(2):190-195, 198 Coll. Vet. Med., Drawer V. Mississippi State 39762) Ictalurus punctatus. 04698 Petter, Annie J. and Serge Morand. [NEMATODE PARASITES OF PARAGU HES. IV. REDESCRIPTION OF SPINITECTUS JAMUNDENSIS THATCHER ET PAD (CYSTIDICOLIDAE, NEMATODA)] Rev. Suisse Zool. 95(2):377-384. 1988. In F English summ, FR 33(4) ab. vers, (CNRS), Mus. Natl. Hist. Nat., 61 rue Buffon, F-75231 Paris Code nce] Leporinus striatus.

```
THE STRUCTURING OF A SALT MARSH STICKLEBACK COMMU
65(11):2793-2798, 1987. In English with French summ, FR 33(4)
  (FitzGerald: Dep. Biol., Univ. Laval, Sainte-Foy, PQ, Canada C
oculeatus, G. wheatlandi, and Pungitlus pungitlus in Canada.
```

88-004700 Priemer, J. ON THE LIFE-CYCLE OF PROTEOCEPHALUS

FROM SALMO GAIRDNERI (PISCES). Helminthologia (Bratisl.) 24(1):7 with Russian, German, and Czech, summ. FR 33(4) (Akad. Wissenschaft. DDR, Forschungsstelle Wirbeltierforsch., / Berlin, East Germany 1 88-004701 Prieto, A.; M. Vinjoy; E. Fajer and V. Ga

CYCLOANCISTRUM: FIRST REPORT FROM CUBA.] Rev. Salud Anim Spanish with English summ. From Helminthol. Abstr. Ser. A Ani 57(6):1532, 1988, FR 33(4) [Empresa Nac. Acuicult., Carretera Cent. Kim 20, Cotorro, Ha gigas . 88-004702 Robert, F.; F. Renaud; E. Mathieu and C. Gabrion.

PARATENIC HOST IN THE BIOLOGY OF BOTHRIOCEPHALUS CI PSEUDOPHYLLIDEA), A PARASITE OF THE TURBOT Int. J. Pa 1988. FR 33(4) [Lab. Parasitol. Comp., U.A. 698 CNRS, Univ. Sci. & Tech. Lange 34060 Montpellier Cedex, France] Psetta maxima in France.

88-004703 Scholz, Tomas. ON THE OCCURRENCE OF ENDOPARA

PERCH (PERCA FLUVIATILIS L.) FROM THE MACHA LAKE CZECHOSLOVAKIA. Acta Univ. Carolinae Biol. 1985(5-6):301-318. 198 (Inst. Parasitol., Czechoslovak Acad. Sci., Branisovska 31, 370

Czechoslovakia 88-004704 Scott, J. S. HELMINTH PARASITES OF REDFISH (S. FROM THE SCOTIAN SHELF, BAY OF FUNDY, AND EASTERN GUL

Zool. 66(3):617-621, 1988. In English with French summ. FR 33(4) (Mar. Fish Div., Dep. Fish. & Oceans, Biol. Stn., St. Andrews, N Scott, Marilyn E. EXPERIMENTAL EPIDEMIOLOGY BULLAT ARUDIS (MONOGENEA) ON GUPPIES (POECILIA RETICUI LONG TERM STUDIES. Linn. Soc. Symp. Ser. No. 11 p. 21-38, 1985.

88-004706 COMPLANATUM. J. Wildl. Dls. 24(3):456-460. 1988. FR 33(4)

[Dep. Zool., Univ. Manitoba, Winnipeg, MB, Canada R3T 2N2]

[Inst. Parasitol., Macdonald Coll. McGill Univ., 21,111 Lakesh Bellevue, PQ, Canada H9X 1C01 Szalai, Alexander J. and Terry A. Dick. HELMINTHS C TROUT (SALMO GAIRDNERI) WITH SPECIAL REFERENCE

88-004707 Tantalean V., Manuel and Jose Rodriguez. [NEW REC HELMINTHS FROM ELASMOBRANCHIAN FISHES FROM THE COAST

Trop. 35(1):167-168, 1987. In Spanish with English summ. FR 33(4) [Inst. Med. Trop. "Daniel A. Carrion", Univ. Nac. Mayor San Mar 100. Perul

URALLY INFECTED FISHES: I.M AND TEM INVESTIGATIONS. Dis. Aquat. :109-119, 1988, FR 33(4) nst. Spezielle Zool. & Parasitol., Ruhr-Univ.-Bochum, D-4630 Bochum, West Gei a tinca, Abramis brama, Anguilla anguilla, Rutilus rutilus, Alburnus alburnus, ta, S. gairdneri, Leuciscus leuciscus, and L. cephalus. 04709 Thiyagarajah, A. and M. E. Bender, LESIONS IN THE PANCREAS AND AN OYSTER TOADFISH, OPSANUS TAU (L.), COLLECTED FROM THE LOWER ER, VIRGINIA, USA. J. Fish Dis. 11(4):359-364. 1988. FR 33(4) nst. Mar. Sci. & School Mar. Sci., Coll. William & Mary, Gloucester Point, VA 2306 04710 Tickotter, Kenneth L. HISTOFLUORESCENT AND ULTRASTRUCT NTIFICATION OF AMINERGIC PROCESSES IN THE OPISTHAPTOR OF THE M OGENE, MICROCOTYLE SEBASTES (POLYOPISTHOCOTYLEA: MICROCOTYLE . Helminthol. Soc. Wash. 55(2):229-245, 1988, FR 33(4) lectron Microscopy Res. Facility, Dep. Ophthalmol., Good Samaritan Hospital 8 ... 1015 N.W. 22nd Ave., Portland, OR 97210] Sebastes melanops. 04711 Wyatt, R. J. and C. R. Konnedy. THE EFFECTS OF A CHANGE IN WITH RATE OF ROACH, *RUTILUS RUTILUS* (L.), ON THE BIOLOGY OF THE EWORM LIGULA INTESTINALIS (L.). J. FISH BIOL. 33(1):45-57. 1988. FR 33(4) ish. Tech. Unit, Wolsh Water, Highfield, Priestly Rd., Caernarfon, Gwynedd, Wal 04712 Yang Tong. (TWO MARINE LEECHES FROM AN ANTARCTIC FISH OF US NOTOTHENIA J Acra Zool, Sin. 33(4):373-377, 1987, In Chinese with English 33(4) nst, Hydrobiol., Acad. Sinica, Wuhan, Chinal LUTION 04713 Alabaster, John S. THE CONFLICT BETWEEN WATER POLLUTION AND 11 TERIES. In: Allocation of Fishery Resources. John H. Grover, editor. p. 9-15. 19

Vater Res. Cent., Stevenage Lab., Eldor Way, Stevenage, Herts SG1 1TH, England

104714 Arruda, Joseph A.; M. Steve Cringan; William G. Layher; Garland Kers rles Bever. PESTICIDES IN FISH TISSUE AND WATER FROM TUTTLE CREEK

Dep. Health & Environ., Div. Environ., Forbes Field, Topaka, KS 66620] Cy

104715 Atasi, Khalil Z. STUDY OF THE POTENTIAL IMPACT OF THE DWYTP PLU : AQUATIC ECOLOGICAL HABITAT OF THE DETROIT RIVER. *Int. Assoc. Great*

ISAS, Bull, Environ, Contam, Toxicol, 41(4):617-624, 1988, FR 33(4)

Vater & Sewerage Dep., 9300 W. Jefferson, Detroit, MI 48209]

lish with French summ. FR 33(4)

. Conf. 30: A-2. 1987. Abstract only. FR 33(4)

olo and Morone saxatilis.

04708 Taraschewski, Horst, HOST-PARASITE INTERFACE OF NTHOCEPHALANS, I. ACANTHOCEPHALUS ANGUILLAE (PALAEACANTHOCEPHAL

- [MDNR SWQD, Box 30028, Lansing, MI 48842]
- 88-004717 Budihna, Natasa and Joza Vovk. THE PERCENTAGE OF HA TROUT (*SALMO TRUTTA M. FARIO* L.) IN THE KAMNISKA BISTRICA
- 29-33. 1988. In Serbo-Croatian and English. FR 33(4)
 [Fish. Res. Inst., Ljubljana, Zupanciceva 9, Yugoslavia]
- 88-004718 Burbridge, Peter R. COASTAL AND MARINE RESOURCE MA
- STRAIT OF MALACCA. Amblo 17(3):170-177, 1988, FR 33(4)
 [House of Ross, Comrie, Perthshire PHG 2JS, Scotland]
- 88-004719 Cairns, John, Jr., editor. COMMUNITY TOXICITY TESTING Publ. No. 920, 350p. 1986. FR 33(4)

[VPIESU, Blacksburg, VA] Selected chapters indexed in this issue of

- 88-004720 Capel, Paul D.; Walter Giger; Peter Reichert and Oskar Walter Of PESTICIDES INTO THE RHINE RIVER. Environ. Sci. Tec.
 - 1988, FR 33(4)
 [U.S. Geol. Surv., St. Paul, MN 55101]

Belgium)

- 88-004721 Carlson, C.; P. Eaton; M. Flexner; C. Gay; B. Lonik; Sawin; J. A. Foran; G. Goudy and R. Moore. THE SAGINAW BAY/ SA Int. Assoc. Great Lakes Res. Conf. 30: A-10. 1987. Abstract only. FR 33 [Univ. Mich., MDNR, Ann Arbor 48109]
- 88-004722 Connolly, J. P.; D. M. di Toro and R. P. Winfield. ANAL AND BIOACCUMULATION OF PCB HOMOLOGS IN SAGINAW BAY. Int. Res. Conf. 30:A-13. 1987. Abstract only. FR 33(4)
 [Manhattan Coll., Bronx, NY 10471]
- 88-004723 Cuinat, Robin. [MAIN EFFECTS UPON AQUATIC LIFE OF S PUT INTO THE ALLIER RIVER BY SAND AND GRAVEL EXTRACTION Fishery Resources. John H. Grover, editor. p. 40-46, 1980. In French FR 33(4)
 - [84 Ave. du Puy-de-Dome, 63000 Clermont-Ferrand, France]
 - 88-004724 Detollenaere, A. and J.-C. Micha. [IMPACT OF THERM NUCLEAR POWER STATION ON FISH OF THE MEUSE.] In: Allocation of John H. Grover, editor. p. 71-76, 1980. In French with English summ. I [Lab. Ecol. Eaux Douces, Fac. Univ. N.-D. Paix, Rue Bruxelles
 - 88-004725 DeVault, David S.; J. Milton Clark; Garet Lahvis an CONTAMINANTS AND TRENDS IN FALL RUN COHO SALMON. J. Great 33. 1988. FR 33(4)
 - 33. 1988, FR 33(4) (U.S. Environ. Protection Agency, Great Lakes Natl. Program Off., Staff, 230 S. Dearborn St., Chicago, IL 60605) Oncorhynchus kisutch ii

Rijkswaterstaat, Tidal Waters Dry., P.O. Box 270, 9750 AE Haren, Netherlands] 2 porus. 004727 - Fischer-Schert, Theresia and Rudolf W. Hoffmann, GILL MORPHOLOG TIVE BROWN TROUT SALMO TRUTTA M. FARIO EXPERIENCING ACUTE AND CH DIFICATION OF A BROOK IN BAVARIA, FRG. Dis. Aguat. Org. 4(1):43-51. 19 Inst. Zool. & Hydrobiol., Univ. Munchen, Kaulbachstr. 37, D-8000 Munich 22 204728 Genin-Meurisse, M. and J.-C. Micha, [IMPACT OF RADIOACTIVE WASTES PWR-TYPE NUCLEAR POWER STATION ON FISH OF THE MEUSE.] In: Allocat ery Resources, John H. Grover, editor, p. 138-145, 1980. In French with English ab. Ecol. Eaux Douces, Fac. Univ. N.-D. Paix, Rue Bruxelles 61, 8-5000, 5 004729 Gilderhus, P. A.; V. K. Dawson and J. L. Allen. DEPOSITION SISTENCE OF ROTENONE IN SHALLOW PONDS DURING COLD AND WARM SEA

04726 Essink, Karel. DECREASING MERCURY POLLUTION IN THE DUTCH W

AND EMS ESTUARY, Mar. Pollut. Bull. 19(7):317-319, 1988, FR 33(4)

. Fish Wildi, Serv. Invest. Fish Control No. 95, 7p. 1988. FR 33(4)

1)

manyi

33(4)

aium (

icol

004730 Gomez, Edgardo D. OVERVIEW OF ENVIRONMENTAL PROBLEMS IN THE AN SEAS REGION. Amble 17(3):166-169. 1988. FR 33(4). Mar. Sci. Inst., Univ. Philippines, U.P.P.O. Box 1, Diliman, Quezon City, Philipp 004731 Gutjerrez-Galindo, Efrain Abraham and Gilberto Flores Munoz. BIOLO AILABILITY OF MERCURY IN COASTAL SEAWATERS OF NORTHERN BAJA CALIFO nc. Mar. (Mex.) 12(2):85-98. 1986. In Spanish and English. FR 33(4) Inst. Invest. Oceanol., Univ. Autonoma Baja Calif., Apdo. Postal 453, Ensenada,

U.S. Fish & Wildl. Serv., Natl. Fish. Res. Cent., P.O. Box 818, La Crosse, WI flurus punctatus, I. melas, Micropterus salmoldes, and Lepomis macrochirus in Wisc

Hughes, Robert M. and Gerald E. Davis, PRODUCTION OF COEXI 004732 ENILE COHO SALMON AND STEELHEAD TROUT IN HEATED MODEL S MMUNITIES, ASTM Spec. Tech. Publ. No. 920, p. 322-337, 1986, FR 33(4) Northrop Serv., Inc., Corvallis, OR 97333] Salmo gairdner! and Oncorhynchus kisc

004733 Hungspraugs, Manuwadi. HEAVY METALS AND OTHER NON-OIL POLLU SOUTHEAST ASIA. Amblo 17(3):178-182. 1988. FR 33(4) Dep. Mar. Sci., Fac. Sci., Chulalongkorn Univ., Phya Thai Rd., Bangkok

illand1 Jones, Howard, PROTECTING WA'S MARINE ENVIRONMENT FROM OIL S 004734 S 20(6):20-24, 1987, FR 33(4)

004735 Keck, Gerard, (RELATIONS BETWEEN CHEMICAL POLLUTION AND ALTH AND WHOLESOMENESS Lin: Allocation of Fishery Resources, John H. C

- 88-004736 Kitchell, James F.; Marlene S. Eyans; Donald Scavia an REGULATION OF WATER QUALITY IN LAKE MICHICAN: REPORT
- WORKSHOP, J. Great Lakes Res. 14(1):109-114, 1988, FR 33(4)
- [Cent. Limnol., Univ. Wis., Madison 53706] Alosa pseudoharenaus. 88-004737 Klaine, S. J.; M. L. Hinman; D. A. Winkelmann, K. R.
- and L. W. Moore. CHARACTERIZATION OF AGRICULTURAL NO PESTICIDE MIGRATION IN A WEST TENNESSEE WATERSHED. Env 7(8):609-614, 1988, FR 33(4)
- [Dep. Biol. & Civil Eng., Memphis State Univ., Memphis, TN 38152]
- 88-004738 Leynaud, G. [EFFECTS OF INCREASED WATER TEMPERAT In: Allocation of Fishery Resources, John H. Grover, editor, p. 222with English summ. FR 33(4)
 - 88-004739 Leynaud, G. [RELATIONS BETWEEN POLLUTION AND QU. In: Allocation of Fishery Resources, John H. Grover, editor, p. 232

[14, Ave. Saint-Mande, 75012 Paris, France]

[14, Ave. Saint-Mande, 75012 Paris, France]

- with Enalish summ, FR 33(4)
- 89-004740 Lockerbie, D. M. and T. A. Clair. ORGANIC CONTAMI LAKES OF SOUTHERN LABRADOR, CANADA. Bull. Environ. Contain 632. 1988. FR 33(4) [Water Quality Branch, Environ, Canada, P.O. Box 861, Moncton, Salvelinus namaycush, 5. alpinus, S. fontinalis, Catostamus comme
 - Manyille, Albert M. H. NEW TECHNOLOGIES DEALING W
 - POLLUTION AND EFFORTS AT MITIGATION, Trans. N. Am. Wildl 53:191-203. 1988. FR 33(4)
 - [Defenders Wildl., Washington, DC]
- Marcovecchio, Jorge Eduardo; Victor Jorge Moreno DETERMINATION OF HEAVY METAL CONCENTRATIONS IN BIOTA ARGENTINA. Sci. Total Environ, 75(2-3):181-190, 1988, FR 33(4)

Esox lucius, E. mosquinongy, and Coregonus clupeoformis.

- Mar del Plata, Argentina) 88-004743 Miller, David L.; Paul M. Leonard; Robert M. Hughes; Jai
 - Moyle; Lynn H. Schrader; Bruce A. Thompson; Robert A. Daniels; A. Fitzhugh; James R. Gammon; David B. Halliwell; Paul L. Angermei REGIONAL APPLICATIONS OF AN INDEX OF BIOTIC INTEGRITY

[Inst. Nac. Invest. & Desarrollo Pesquero (INIDEP), C.C. 175, Pla

- RESOURCE MANAGEMENT. Fisheries (Bethesdo) 13(5):12-20. 1988. F. [Hughes: Northrop Serv., Inc., 200 SW 35th St., Corvallis, OR 973
- 88-004744 Nriagu, Jerome O. and Angela de Luca Rebello Wagener OF TROPICAL MARINE SYSTEMS. PROCEEDINGS OF THE SEC CONFERENCE, RIO DE JANEIRO, BRAZIL, 1-5 SEPTEMBER 1987. Sci

i-004745 Ramsey, Daniel L. and Donald G. Brannon. PREDICTED ACID MINE DR IPACTS TO THE BUCKHANNON RIVER, WV, U.S.A. Water Air Soil Pollut. 39(17 88. FR 33(4) [School For., Fish & Wildl., Univ. Mo., Columbia 65201] -004746 Regens, James L. and Robert W. Rycroft, THE ACID RAIN CONTRO nly, Pittsburgh Press 228p. 1988. Available from Univ. Pittsburgh Press, Pittsbu 5260 at \$24.95 Cloth; \$12.95 Paperback, FR 33(4) I-004747 Rice, T. R.; D. W. Engel and F. A. Cross. POTENTIAL EFFE ADIOACTIVE RELEASES TO THE AQUATIC ENVIRONMENT. *In: Allocation of* esources, John H. Crover, editor. p. 308-319, 1980. In English with French su (4) [Beaufort Lab., Southeast Fish. Cent., Beaufort, NC 28516] 3-004748 Robertson, Thomas Edward, CARBON FLOW IN AN AGRICULTURAL COSYSTEM, Ph.D. dissertation, Iowa State Univ. 165p. 1987. From Diss. Abstr. ci. Eng. 49(2):299, 1988, FR 33(4) 3-004749 Rosenberg, Rutger and Hans Blanck. SILENT SPRING IN THE SEA 7(4):289-290, 1988, FR 33(4) (Univ. Gothenburg & Kristineberg Mar. Biol. Stn., S-450 34 Fiskebackskil, abrus berggylta, Salmo galrdneri, Clupea harengus, and Raniceps raninus in Europ Ruyabhorn, Pravit and Dhira Phantumvanit. COASTAL AND 3-004750 ESOURCES OF THAILAND - EMERGING ISSUES FACING AN INDUSTRIALIZING CO mblo 17(3):229-232, 1988, FR 33(4) [Thiland Dep. Res. Inst., 15th Floor, Rajapark Bldg., 163 Asoke Rd., Bangko hailand) 3-C04751 Saecker, John R. and William S. Woolcott. THE REDBREAST SUNFISH (URITUS) IN A THERMALLY INFLUENCED SECTION OF THE JAMES RIVER, VIRGI . Sci. 39(1):1-17, 1988, FR 33(4) (Biol. Dep., Univ. Richmond, Richmond, VA 23173) 8-004752 Schindler, D. W. EFFECT'S OF ACID RAIN ON FRESHWATER ECOS clence 239(4836):149-157. 1988. FR 33(4) [Dep. Fish. & Oceans, Freshwater Inst., 501 University Crescent, Winnipeg, MB 3T 2N61 8-004753 Schrader, Mary Elizabeth, EFFECTS OF ACID RAIN ON THE | LKALINITY OF A HARDWATER LAKE IN CENTRAL MICHIGAN. M.S. Thesis, Cei nlv. 49p. 1985. From Masters Abstr. Int. 24(1):43, 1986. FR 33(4) 8-004754 Schreiber, R. Kent and James R. Newman. ACID PRECIPITATION EFFI OREST HABITATS: IMPLICATIONS FOR WILDLIFE. Conserv. Biol. 2(3):249-259. 3(4)

[Natl. Water Res. Inst., Burlington, ON, Canada E7R 4A6]

88-001755 Schroder, Johannes Horst and Karin Peters. DIFFER ACTIVITY AND ALTERATIONS OF REPRODUCTIVE SUCCESS OF COMPILIAR RETICULATA PETERS; PISCES: POECILIDAE) AS AN II CONCENTRATIONS OF AQUATIC POLLUTANTS. Bull. Environ. Contom 390. 1988, FR 33(4)

[Assoc. Radiation & Environ. Res. Munich, Inst. Radiation Biol., Ing D-8042 Neuherberg, West Germany]

88-004796 Suntin, Leena R., Wan Ying Shiu and Donald Mackay, NATURE AND PROPERTIES OF CHEMICALS PRESENT IN PULP Chemosphere 17(7):1249-1290, 1988, FR 33(4)

(Inst. Environ. Studies, Univ. Toronto, Toronto, ON, Canada MSS 1/

88-004757 Svobodova, Z.; M. Hejtmanek; J. Koubek; A. Kocova and E MERCURY LEVELS IN FISH AND OTHER COMPONENTS OF THE E PODHORA WATERWORKS RESERVOIR. Pr. Vodnany No. 16. p. 69-76. 1 Czech summ. FR 33(4)

(Vyzkujany ustav rybarsky & hydrobiol., 389 25 Vodnany, Czechoslov

88-004758 Zarull, Michael A. HAMILTON HARBOUR REHABILITA WORK. Int. Assoc. Great Lokes Res. Conf. 30:A-64, 1987. Abstract onl [Great Lakes Regional Off., Int. Joint Comm., Windsor, ON, Canada I

FISH KILLS

88-004759 Mac, M. J. and Carol C. Edsall. MORTALITY OF LAKE T FROM SOUTHEASTERN LAKE MICHIGAN. Int. Assoc. Great Lakes 1987. Abstract only. FR 33(4)

[U.S. Fish & Wildl. Serv., Natl. Fish Cent.-Great Lakes, 1451 Green 48105] Salvelinus namayoush.

88-004760 Reiersen, Lars-Otto and Per Erik Iversen. PHYTOPLAN SKAGERRAK COAST. Mar. Pollut. Bull. 19(8):348, 1988, FR 33(4)

88-004761 Shamsudin, Lokman, WATER QUALITY AND MASS FI MENGABANG LAGOON, TRENGGANU, MALAYSIA. Malay. Nat. J. 41(33(4)

(Fac. Fish. & Mar. Sci., Univ. Pertanian Malaysia, Mengabang Telipo Trengganu, Malaysia)

TOXICOLOGY; BIOASSAYS

88-004762 Andersson, Osten; Carl-Eric Linder; Mats Olsson; Lars Re Uvemo and Ulla Wideqvist. SPATIAL DIFFERENCES AND TEMP ORGANOCHLORINE COMPOUNDS IN BIOTA FROM THE NORTHWESTERN 3(4) atl. Food Admin., Food Res. Dep., Box 622, S-751 26 Uppsala, Sweden] 14763 Andersson, Tommy; Lars Forlin; Jan Hardig and Ake Larsson. PHYSIOLOG URBANCES IN FISH LIVING IN COASTAL WATER POLLUTED WITH BLEACHED KI

ch summ. FR 33(4)
ep. Zoophysiol., Univ. Goteborg, Box 25059, S-400 31 Goteborg, Sweden] intilis.

24764 Anliker, R.; P. Moser and D. Poppinger. BIOACCUMULATION OF DYESTS

ORGANIC PIGMENTS IN FISH. RELATIONSHIPS TO HYDROPHOBICITY AND ST

TORS: Chemosphere 17(8):1631-1644, 1988, FR 33(4)

ep. Zool., Univ. Gorakhpur, Gorakhpur 273 009, India)

P MILL EFFLUENTS. Can. J. Fish. Aquat. Sci. 45(9):1525-1536. 1988. In English

col. & Toxicol. Assoc. Dyestuffs Manufacturing Ind., P.O. Box CH-4005 B earland] 04765 Ansari, Badre Alam and Kaushal Kumar. DIAZINON TOXICITY: EFFECT TEIN AND NUCLEIC ACID METABOLISM IN THE LIVER OF ZEBRAFISH, *BRACHYD,* 10 (CYPRINIDAE). Scl. Total Environ. 76(1):03-68, 1988, FR 33(4)

04766 Baumann, Paul C. TUMORS IN FISH AND ASSOCIATED TOXIC SUBSTAN BLEMS, LIMITATIONS, AND RESEARCH NEEDS. Int. Assoc. Great Lakes Res. 6 -3, 1987. Abstract only, FR 33(4)
.S. Fish & Wildl. Serv., 1813 N. High St., Columbus, OH 43210] Ictalurus nebulosu
04767 Beckman, Brian R. and Waldo S. Zaugg. COPPER INTOXICATION IN CHINGON (ONCORHYNCHUS TSHAWYTSCHA) INDUCED BY NATURAL SPRINGWA

ECTS ON GILL Na*, K*-ATPase, HEMATOCRIT, AND PLASMA GLUCOSE. Can. J. ot. Scl. 45(8):1430-1435, 1988. In English with French summ. FR 33(4) ook Field Stn., Coastal Zone & Estuarine Studies Div., Northwest & Alaska Fish. C S, NOAA, 2725 Montlake Blvd. E., Seattle, WA 98112)

0.1768 Bengtsson, B.-E.; A. Bengtsson and U. Tjarnlund. EFFECTS OF PULP. UENTS ON VERTEBRAE OF FOURHORN SCULPIN, MYOXOCEPHALUS QUADRICOF

OF FOURHORN SCULPIN, MYDXOCEPHALUS QUADRICON AK, ALBURNUS ALBURNUS, AND PERCH, PERCA FLUVIATILIS. Arch. Eav am. Toxicol. 17(6):789-797. 1988. FR 33(4) nviron. Protection Board, Lab. Aquat. Toxicol., Studsvik, S-611-82 Nykoping, Swi

04769 Bengtsson, Bengt-Erik, EFFECTS OF PULP MILL EFFLUENTS ON SKEL AMETERS IN FISH - A PROGRESS REPORT, Water Sci. Technol. 20(2):87-94, 1988

) nviron. Protection Board, Lab. Aquat. Toxicol, Studsvik, S-611-82 Nykoping, Swe vocephalus quadricornis in Sweden.

04770 Bergman, H. L.; J. S. Mattice and D. J. A. Brown. LAKE ACIDIFICATION RERIES PROJECT: ADJUT BROOK TROUT ISALVELINUS FONTINALIS). Can. J.

HERIES PROJECT: ADULT BROOK TROUT (*SALVELINUS FONTINALIS*). Can. J. at. Sci. 45(9):1561-1562, 1988. In

- 88-004771 Black, J. J.; A. E. Maccubbin; H. K. Myors and R. F. 2 INDUCED HEPATIC NEOPLASIA IN GREAT LAKES COHO SALMON. BI
- Toxicol, 41(5):742-745, 1988, FR 33(4) [Roswell Park Memorial Inst., 666 Elm St., Buffalo, NY 14263] Oncor
- Booth, C. E.; D. G. McDonald; B. P. Simons and C. N ALUMINUM AND LOW OH ON NET ION FLUXES AND ION BALANCE IN (SALVELINUS FONTINALIS). Con. J. Fish. Aquat. Sci. 45(9):1563-1 with French summ. FR 33(4)
- [McDonald: Dep. Biol., McMaster Univ., 1280 Main St. W., Hamil 1811
- Bowlby, J. N.; J. M. Gunn and V. A. Liimatainen, META TROUT (SALVELINUS NAMAYCUSH) IN LAKES NEAR SUDBURY, CAI Pollut. 39(1/2):217-230, 1988, FR 33(4)
 - [Lake Ontario Fish. Unit, Minist. Nat. Resour., Picton, ON, Canada
- 88-004774 Bruno, D. W. and A. E. Ellis, HISTOPATHOLOGICAL EF SALMON, SALMO SALAR L., ATTRIBUTED TO THE USE OF TRIBUTY Aquaculture 72(1/2):15-20, 1988, FR 33(4) [Dep. Agric. & Fish., Mar. Lab., Victoria Rd., Aberdeen AB9 8DB,
- 88-004775 Bushong, Steven J.; Lenwood W. Hall, Jr.; W. Scott Hal and Roger L. Herman. ACUTE TOXICITY OF TRIBUTYLTIN TO SEL BAY FISH AND INVERTEBRATES, Water Res. 22(8):1027-1032, 1988, F (Johns Hopkins Univ., Appl. Physics Lab., Aquat. Ecol. Sect., Sh berylling, Brevoortie tyrannus, Fundulus heteroclitus, and Cyprinodos
- Cleland, Glenn B.; Barry G. Oliver and Ronald A. PERSPECTIVES OF CONSUMPTION OF GREAT LAKES COHO SALMO Lakes Res. Conf. 30: A-12. 1987. Abstract only. FR 33(4) [Dep. Pathol., McMaster Univ., Hamilton, ON, Canada L8N 325] Onc
- 88-004777 Date, B.; D. G. Baden; B. Mck. Bary; L. Edler; S. Frage M. Hallegraeff; T. Ochaichi; K. Tangen; F. J. R. Taylor; A. W. Whi C. S. Yentsch. PROCEEDINGS: INTERNATIONAL CONFERENCE A PROBLEMS OF TOXIC DINOFLAGELLATE BLOOMS IN AQUACULTURE. Station Ireland 61p. 1987. FR 33(4)
 - [Sherkin Island Mar. Stn., Sherkin Island, Co. Cork, Ireland]
- Designdins, C.; P. Beland and D. Martineau. Th CONFIRMATION OF THE PRESENCE OF THE PESTICIDE MIREX STURGEON, 200 MILES DOWNSTREAM OF LAKE ONTARIO. Int. As Conf. 30: A-14. 1987. Abstract only. FR 33(4) Acipenser.

ANGES IN LONGEAR SUNFISH, LOPOMIS MECALOTIS, ASSOCIATED WITH MIUM AND ZINC FROM MINE TAILINGS. J. Fish Biol., 33(2):307-317. 1988. FR 33(J.S. Fish & Wildl. Sorv., Natl. Fish. Contam. Res. Cent., Rt. 1, Columbia, MO 65 204780 Eidt, D. C.; G. B. Bacon; G. M. DeGraeve and V. N. Mallet. FATE RT-TERM PERSISTENCE OF THE INSECTICIDE AMINOCARB IN A NEW BRUN NADA) HEADWATER STREAM. Arch. Environ. Contam. Toxicol, 17(6):817-829, 19 1) Canadian For, Serv.--Maritimes, P.O. Box 4000, Fredericton, NB, Canada E36 elinus fontinalis. 294781 Eisler, Ronald. ARSENIC HAZARDS TO FISH, WILDLIFE, ERTEBRATES: A SYNOPTIC REVIEW. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.12 3. Available from Sect. Inform. Manage., Patuxent Wildt. Res. Cent., U.S. Fish & v., Laurel, MD 20708 FR 33(4) U.S. Fish & Wildl. Serv., Patuxent Wildl. Res. Cent., Laurel, MD 20708] 204782 Eyans, Robert E.; Scott B. Brown and Toshiaki J. Hara. THE EFFEC JMINUM AND ACID ON THE GILL MORPHOLOGY IN RAINBOW TROUT, . RONERI. Environ. Biol. Fishes 22(4):299-311. 1988. FR 33(4) Freshwater Inst., Cent. & Arctic Region, Dep. Fish. & Oceans, Winnipeg, MB, C 2N61 004783 Evans, Sverker. APPLICATION OF PARAMETER UNCERTAINTY ANALYS CUMULATION OF ¹³⁷Cs IN FISH, WITH SPECIAL EMPHASIS ON *PLEURON* ATESSA L. J. Exp. Mar. Blot. Ecol. 120(1):57-80. 1988. FR 33(4) Safety & Syst. Analysis, Environ. Sery., Studsvik Nuclear, 611-82 Nykoping, Swed 004784 Flores-Nava, A. and J. J. Vizcarra-Quiroz. ACUTE TOXICIT CHLORFON (DIPTEREX) TO FRY OF *CICHLASOMA UROPHTHALMUS* GUN racult. Fish. Manage. 19(4):341-345. 1988. FR 33(4) CINESTAV-IPN, AP 73 CORDEMEX, Merida, Yucatan 97310, Moxicol 304785 Forlin, Lars; Tommy Andersson; Jan Hardig and Ake La THODOLOGICAL ASPECTS ON MEASUREMENTS OF PHYSIOLOGICAL DISTURBANG H EXPOSED TO BLEACHED KRAFT MILL EFFLUENTS. Water Sci. Technol. 20() B. FR 33(4) Dep. Zoophysiol., Univ. Goteborg, Box 25059, S-40031 Goteborg, Swedenl viatilis . 004786 fox. Glen A. FISH-EATING BIRDS AS SENSORS OF TOXIC LEVE VIRONMENTAL CONTAMINANTS IN THE GREAT LAKES. Int. Assoc. Great Lake of. 30: A-21, 1987, Abstract only, FR 33(4) Wildl. Toxicol. & Surv. Branch, Canadian Wildl. Sorv., Ottawa, ON, Canada KIA (004787 Fryer, J. N.; W. H. Tam; B. Valentine and R. E. Tikkala. PROLACTIN TOLOGY, PLASMA ELECTROLYTES, AND WHOLE-BODY SODIUM EFFLUX IN RESSED BROOK TROUT (SALVELINUS FONTINALIS), Can. J. Fish. Aquat 7):1212-1221, 1988, In English with French summ. FR 33(4) Dep. Anat., Fac. Health Sci., Univ. Ottawa, Ottawa, ON, Canada K1H 8M51

- [Dep. Fish. t Oceans, Cent. & Arctic Region, Freshwater Inst., 501 Winnipeg, MB, Canada R37 2N6]
- 88-004789 Gill, Tejendra S.; Jagdish C. Pant and Homa Tewari. BR PATHOLOGY IN THE FISH EXPOSED CHRONICALLY TO METHOX CHLORIDE. Bull. Environ. Centam. Toxicol. 41(2):241-246, 1988. FR

[Dep. Zool., Kumaun Univ., Naini Tal, 263 002, U.P., India] Puntlu

88-004790 Gutierrez-Galindo, Efrain A.; Gilberto Flores Munoz e Flores. MERCURY IN FRESHWATER FISH AND CLAMS FROM GEOTHERMAL FIELD OF BAJA CALIFORNIA, MEXICO. Bull. Envir 41(2):201-207. 1988. FR 33(4)
[Inst. Invest. Oceanol., Univ. Autonoma Baja Calif., P.O. Box

Mexicol Tilapia mossamblea.

Morone saxatllis.

88-004791 Haider, S. and R. Moses Inbaraj, IN VITRO EFFECT ENDOSULFAN ON THE Lit-INDUCED OCCYTE MATURATION IN CYPRINUS CARPIO (L.). Water Air Soil Pollut, 39(1/2):27-31, 1988, F

[Dep. Zool., Banaras Hindu Univ., Varanasi 221005, India]

- 88-00-1792 Hall, Lenwood W., Jr.; Steven J. Bushong; Michael C. Zie and Roger L. Herman. CONCURRENT MOBILE ON-SITE AND IN CONTAMINANT AND WATER QUALITY STUDIES IN THE CHOPTAN CHESAPEAKE BAY. Environ. Toxicol. Chem. 7(10):815-830. 1988. FR [Appl. Physics Lab., Aquat. Ecol. Sect., John Hopkins Univ., S.
- 88-004793 Hamilton, Steven J. and Rob J. Reash. BONE DEVELOPM FROM A STREAM CHRONICALLY POLLUTED WITH HEAVY METALS. 1 117(1):48-54. 1988. FR 33(4)
- [Am. Electric Power Serv. Carp., Environ. Eng. Div., 1 Riversid 43216] Semotifus atromaculatus in Ohjo.
- 88-004794 Hawkins, W. E.; J. W. Fournie; R. M. Overstreet RHABDOMYOSARCOMA IN THE JAPANESE MEDAKA, ORYZIAS LA SCHLEGEL) AND GUPPY, POECILIA RETICULATA PETERS. J. FIS
- 1988. FR 33(4)
 [Gulf Coast Res. Lab., P.O. 8ox 7000, Ocean Springs, MS 39564]
- 88-004795 Herman, Roger Lee and Harold L. Kincaid. PATHOL ORALLY ADMINISTERED ESTRADIOL TO RAINBOW TROUT, Aquoci
- 1988. FR 33(4)
 [U.S. Fish & Wildl. Serv., Natl. Fish Health Res. Lab., P.O. Box 25430] Salmo galidneri.
- 88-004796 Herzberg, Abraham M. TOXICITY AND ACCUMULATION THE TILAPIA OREOCHROMIS AUREUS, Bumidgeh 40(1) 35-39, 1988.

 [Fish. Products Lab., Dep. Fish., Minist. Agric., P.O.B. 699, Hai

S. Fish & Wildl. Serv., Natl. Fish. Cent.-Great Lakes, 1451 Green Rd., Ann Ai 105) Salvelinus namayoush. 4798 Hickie, B. E. and D. G. Drxon. BRAIN MONOAMINE METABOLISM AS CATOR OF TOXICANT IMPACT ON FISH. Int. Assoc. Great Lakes Res. Conf. 30:7 Abstract only: FR 33(4) ep. Biol., Univ. Waterloo, Waterloo, ON, Canada N2L 3G1] Jordanella floridae. 4799 Hunn, Joseph B. FIELD ASSESSMENT OF THE EFFECTS OF CONTAMINANTS ES. U.S. Fish Wildl, Serv. Blot. Rep. 88(19):25p. 1988. Available from U.S. Fi

MOCHEDRINE RESIDUES IN PROZEN PISH 11550E. INC. ASSOC. OPER LARAS

. 30: A-28, 1987. Abstract only, FR 33(4).

Serv., Publ. Unit, Matomic Bldg., Rin 148, Washington, DC 20240. FR 33(4) S. Fish & Wildl. Serv., Natl. Fish. Contam. Res. Cent., Rt. 1, Columbia, MO 6520 4800 - Jimenez, Braulio D.; Lisa S. Burtis; George H. Ezell; B. Z. Egan; Norma J. J. Beauchamp and J. F. McCarthy, THE MIXED FUNCTION OXIDASE SYSTEM

GILL SUNFISH, LEPOMIS MACROCHIRUS: CORRELATION OF ACTIVITIES RIMENTAL AND WILD FISH. Environ. Toxicol. Chem. 7(8):623-634. 1988. FR 33(4) ryiron, Sci. Div., Oak Ridge Natt. Lab., P.O. Box X, Oak Ridge, TN 37831-6036) 1801 Jodon, Traci A.; Paul C. Baumann and Peter F. Landrum. AHH ACTIVITY JEATION OF BROWN BULLHEAD EXPOSED TO PAHs. Int. Assoc. Great Lakes . 30:A-31. 1987. Abstract only, FR 33(4)

ool. Dep., Ohio State Univ., Columbus (3210) Ictalurus nebulosus.

Jude, David J.; Mila Summons and Ronald Rossmann. THE RELATION 4802 FEN DEEPWATER SCULPIN CONTAMINANT LEVELS AND GREAT LAKES TRO IUS. Int. Assoc. Great Lakes Res. Conf. 30: A-32, 1987. Abstract only, FR 33(4)

reat Lakes Res. Div., Univ. Mich., Ann Arbor 48109) Myoxocephalus thompsoni.

14803 Keller, Anne E.; R. J. Dutton and Thomas L. Crisman. EFFECT PERATURE ON THE CHRONIC TOXICITY OF HYDROTHOL-191 TO THE FATI OW (PIMEPHALES PROMELAS). Bull. Environ. Contam. Toxicol. 41(5):770-775.

3(4) ep. Environ, Eng. Sci., Univ. Fla., Gainesville 32611] 04804 Khangarot, B. S.; P. K. Ray and K. P. Singh. INFLUENCE OF CO

ATMENT ON THE IMMUNE RESPONSE IN AN AIR-BREATHING TELE COBRANCHUS FOSSILIS, Bull, Environ, Contom, Toxicol, 41(2):222-226, 1988

munobiol. & Preventive Toxicol. Div., Ind. Toxicol. Res. Cent., Post Box 80, Mal

lhi Marg, Lucknow 226 001, India)

04805 Khangarot, B. S. and P. K. Ray. STUDIES ON THE TOXICITY OF MALAT

FRESHWATER TELEOSTS, CHANNA PUNCTATUS (BLOCH) AND PUNTIUS SOPI

MILTON). Arch. Hydrobiol. 113(3):465-469, 1988, FR 33(4) nmunolbiol. & Preventive Toxicol. Div., Ind. Toxicol. Res. Cent., P.O. Bo

tma Gandhi Marg, Lucknow-226 001, India)

Water Sci., Technol. 20(2):165. 1988. FR 33(4) [Spec. Analyt. Lab., Natl. Environ, Protection Board, Box 1302, S-17

Perca (luviatills and Rutilus rutilus.

- 88-004807 Kuman, S. and S. C. Pant. COMPARATIVE SUBLETHAL OV/ OF SOME PESTICIDES IN THE TELEOST, PUNTIUS CONCHONIUS Environ, Contom. Toxicol. 41(2):227-232, 1988. FR 33(4)
- [Dep. Zoot., D.S.B. Campus, Kumaun Univ., Najni Tal-263 002, U.P., 88-004808 Lacroix, Gilles L. FISH COMMUNITY STRUCTURE IN RELATI
- THREE NOVA SCOTIA RIVERS. Can. J. Zool. 65(12):2908-2915. 198 French summ. FR 33(4) [Dep. Fish. & Oceans, Biol. Stn., St. Andrews, NB, Canada EOG 2X0]
- Larsson, Ake; T. Andersson; L. Forlin and J. Hardig DISTURBANCES IN FISH EXPOSED TO BLEACHED KRAFT MILL EFFL
- Technol. 20(2):67-76. 1988. FR 33(4) [Environ: Protection Board, Lab. Aquat. Toxicol., Studsvik, S-611-82 Perco fluviatilis and Myoxocephalus quadricornis in Sweden.
- 88-004810 Law, A. T. and A. Singh. HEAVY METALS IN FISHES ESTUARY, MALAYSIA. *Malay. Nat. J.* 41(4):505-513, 1988. FR 33(4) [Dep. Fishing Technol., Univ. Pertanian Malaysia, 43400 Serdang, Selection of the Property of
- Leslie, John K.; Laurie Montour and Charles A. Timmins. YOUNG FISH AT HALPOLE ISLAND, ST. CLAIR RIVER DELTA. Int. Res. Conf., 30: A-38, 1987. Abstract only. FR 33(4) [Great Lakes Lab. Fish. & Aquat. Sci., Burlington, ON, Canada L7R 4
- HEPA 88-004812 Lindstrom-Seppa, Pirjo and Aimo Oikari. BIOTRANSFORMATION IN FISHES EXPOSED TO PULPMILL EFFLUENTS.
- 20(2):167-170, 1988, FR 33(4) [Dep. Physiol., Univ. Kuopio, P.O.B. 6, SF-70211, Kuoplo, Finland Finland.
- Maack, Laura A.; David P. Degenhardt and William
- CONGENERS IN UPPER GREAT LAKES FISH. Int. Assoc. Great Lakes 1987. Abstract only. FR 33(4) [Lab. Hyg. & Water Chem. Program, Univ. Wis., Madison 53706]
- Maack, Laura and William C. Sonzogni. ANALYSIS OF POL CONGENERS IN WISCONSIN FISH. Arch. Environ. Contam. Toxicol. 17(33(4)
 - [Sonzogni: Environ. Toxicol. Cent. & Lab. Hyg., Univ. Wis., Madiso

Maccubbin, Alexander E. and Mary Ellen Frank. MUTAGE

SEDIMENTS FROM THE DETROIT RIVER. Int. Assoc. Great Lakes I 1987. Abstract only. FR 33(4) [Roswell Park Memorial Inst., Buffalo, NY 14263]

88-004817 McDonald, D. G. and C. L. Milligan, SODIUM TRANSPORT IN T TROUT, SALVELINUS FONTINALIS: EFFECTS OF PROLONGED LOW PH EXPOSU PRESENCE AND ABSENCE OF ALUMINUM. Can. J. Fish. Aquat. Sci. 45(9):1606-In English with French summ. FR 33(4)

[Dep. Biol., McMaster Univ., 1280 Main St. W., Hamilton, ON, Canada L8S 4K1

McNaught, Donald C. AMBIENT WATER TOXICITY TESTING: 38-004818 LIMITATIONS, AND RESEARCH NEEDS FOR FUNCTIONAL TESTING. Int. A.

Lakes Res. Conf. 30: A-43, 1987. Abstract only, FR 33(4) [Ecol. & Behav. Biof., Univ. Minn., Minneapolis 55455]

Middaugh, D. P.; M. J. Hemmer and E. M. Lores. TERATOLOGICA OF 2.4-DINITROPHENOL, 'PRODUCED WATER' AND NAPHTHALENE ON EMBRY INLAND SILVERSIDE MENIDIA BERYLLINA. Dis. Aquat. Org. 4(1):53-65. 1988.

[U.S. Environ. Protection Agency, Gulf Breeze Environ. Res. Lab., Sabine I Breeze, FL 32561]

88-004820 Miettinen, Veijo and Marja Ruoppa. EFFECTS OF INTERNAL PROCES IN A PULP AND PAPER MILL ON FISH IN THE RECIPIENT. Water Sci. Technol. 1988. FR 33(4) [Natl. Board Waters & Environ., Kylasaarenkatu 10, SF-00550 Helsinki, Finland

Mikkelson, Pirjo; Jaakko Paasivirta and Juha Knuutinen. HPLC/FLUG SPECTROMETRY IN ANALYSES OF PULP MILL WASTES IN RECIPIENTS. Water Sc

20(2):171-172, 1988, FR 33(4) (Dep. Chem., Univ. Jyvaskyla, Kyllikinkatu 1-3, SF-40100 Jyvaskyla, Finland)

88-004822 Mohan, C. V.; T. R. C. Gupta and N. R. Menon. ACUTE TO MERCURY ON THE EARLY DEVELOPMENTAL STAGES OF CIRRHINA MRIGAL Indian J. Fish. 33(1):133-136. 1986. FR 33(4) [Coll. Fish., Mangalore 575002, India]

88-004823 Monod, G.; A. Devaux and J. L. Riviere. EFFECTS OF CHEMICAL OF THE ACTIVITIES OF HEPATIC XENOBIOTIC METABOLIZING ENZYMES IN THE RIVER RHONE, Sci. Total Environ, 73(3):189-201, 1988, FR 33(4)

[Inst. Nac. Rech. Agron., Lab. Ecotoxicol, INRA-ENVL, BP 31, 69752 CI Cedex, France Chondrostoma nasus, Rutlius rutilus, and Thymalius thymalius.

88-004824 Mount, D. R.; C. G. Ingersoll; D. D. Gulley; J. D. Fernandez; Tand H. L. Bergman. EFFECT OF LONG-TERM EXPOSURE TO ACID, ALUMINUM CALCIUM ON ADULT BROOK TROUT (SALVELINUS FONTINALIS). 1. SURVIVAL

FECUNDITY, AND PROGENY SURVIVAL. Can. J. Fish. Aquat, Sci. 45(9):1623 In English with French summ, FR 33(4)

[Fish Physiol, & Toxicol, Lab., Dep. Zool, & Physiol., Univ. Wyo., Laramio 82

- (SALVELINUS FONTINALIS). 2. VITELLOGENESIS AND OSMOREGULA Aquat. Sci. 45(9):1633-1642. 1988. In English with Franch summ. FR 33
- [Fish Physiol. & Toxicol. Lab., Dep. Zool. & Physiol., Univ. Wyo., L
- Muir, Derek C. G.; Ross J. Norstrom and Mary Simon CONTAMINANTS IN ARCTIC MARINE FOOD CHAINS: ACCUMULA POLYCHLORINATED BIPHENYLS AND CHLORDANE-RELATED COMPO
- Technol. 22(9):1071-1079, 1988, FR 33(4) [Dep. Fish. & Oceans, 501 University Crescent, Winnipeg, MB, Boreogadus salda.
- Munkittrick, K. R. and D. G. Dixon, GROWTH, FECUN STORES OF WHITE SUCKER (CATOSTOMUS COMMERSONI) FROM ELEVATED LEVELS OF COPPER AND ZINC. Can. J. Fish. Aquat.
- 1988. In English with French summ. FR 33(4) [Dep. Biol., Univ. Waterloo, Waterloo, ON, Canada N21, 3G1]
- 88-004828 Neuman, E. and P. Karas, EFFECTS OF PULP MILL EFFL COASTAL FISH COMMUNITY, Water Sci. Technol. 20(2):95-106, 1988, 1 [Natl. Environ. Protection Board, Mar. Sect., P.O. Box 584, S-740 7
- 88 004829 Nicoletto, Paul F. and Albert C. Hendricks. SEXUA ACCUMULATION OF MERCURY IN FOUR SPECIES OF CENTRARCHID F 66(4):944-949. 1988. In English with French summ. FR 33(4)
- [Dep. Biol., VPICSU, Blackburg, VA 24061] Ambioplites rupestris, albbosus, and L. macrochirus in Virginia.
- 88-004830 Nilsson, Marie-Charlotte, LESIONS AND DISEASES IN FISH INDUSTRIES. Water Sci. Technol. 20(2):173, 1988. FR 33(4)
- [Dep. For, Site Res., Swedish Univ. Agric, Sci., S-901 83 Umea, Sw Neguchi, G. E. EFFECTS OF PCB EXPOSURE ON LI
 - LARVAL RAINBOW TROUT. Int. Assoc. Great Lakes Res. Conf. 30: only, FR 33(4) [U.S. Fish & Wildl. Serv., Natl. Fish. Cent. Great Lakes, 1451 Gr MI 48105] Sulmo galrdneri.
 - Noguchi, G. E. and R. J. Hesselberg, PARENTAL TRA CONTAMINANTS TO YOUNG-OF-THE-YEAR SPOTTAIL SHINERS (NO) Int. Assoc. Great Lakes Res. Conf. 30:A-46, 1981. Abstract only. FR: [U.S. Fish & Wildl. Serv., Natl. Fish. Cent.-Great Lakes, 1451 Gr
 - 88-004833 Panebianco, F.; A. Panebianco, A. Corrao and B. M. HEPATIC PATHOLOGY IN SALTWATER FISHES. NOTE NUMBER 2: COI CONTENTS IN Pb, Cd, Hg, ORGANOCHLORINE AND HEPATIC LES

MI 48105)

FOOD HYGIENE.] Arch. Vet. Ital. 39(3):65-72. 1988. In Italian wil 33(4) (Univ., Studi Messina Fac., Med., Vet., Inst. Ispezione Alimenti Or Italy |

04835 Perry, Dean M.; Judith S. Weis and Peddrick Weis. CYTOGENETIC EFFEC HYLMERCURY IN EMBRYOS OF THE KILLIFISH, FUNDULUS HETEROCLITUS. ron. Contam. Toxicol. 17(5):569-574. 1988. FR 33(4) MFS, Northeast Fish, Cent., Milford Lab., Milford, CT 064601 Petersen, Robert C., Jr. POPULATION AND GUILD ANALYSIS J4836 RPRETATION OF HEAVY METAL POLLUTION IN STREAMS, ASTM Spec. Tech. 920. p. 180-198. 1986, FR 33(4) tream & Benthic Ecol. Group, Limnol. Inst., 22100 Lund, Swedenl 14837 Peterson, R. H.; D. J. Martin-Robichaud and J. Power, TOXICITY OF PC IES TO EARLY DEVELOPMENTAL STAGES OF ATLANTIC SALMON (SALMO SA Environ. Contam. Toxicol. 41(3):391-397, 1988, FR 33(4) ish, & Environ, Scl. Div., Dep. Fish, & Oceans, Biol. Stn., St. Andrews, NB, C 2X01 Pickering, Quentin H. EVALUATION AND COMPARISON OF TWO SHORT 04838 HEAD MINNOW TESTS FOR ESTIMATING CHRONIC TOXICITY, Water Res. 2217 1988, FR 33(4) nviron, Monit. & Support Lab., U.S. Environ, Protection Agency, Cincinnal Prahalad, A. K. and G. Seenayya. IN SITU PARTITIONING 04839

UNITERIOR OF CRUMIUM IN FILIPIA AUREA. BUIL ENVIRON. CONTUM. I

ep. Anim. Prod., Lab. Appl. Hydrobiol., Agric. Univ., 75 Iera Odos, Votanikos,

):404-411, 1988, FR 33(4)

ms, Greecel

31

AGNIFICATION OF MERCURY IN INDUSTRIALLY POLLUTED HUSAINSAGAR ERABAD, INDIA. Water Air Soil Pollut. 39(1/2):81-87. 1988. FR 33(4) eenayya: Dep. Microbiol., Osmania Uniy., Hyderabad 500 007, Indial *Not*o ıla . 04840 Prasad, M. S. SENSITIVITY OF BRANCHIAL MUCOUS TO CRUDE OIL TOX FRESHWATER FISH, COLISA FASCIATUS, Bull, Environ, Contam. Toxicol, 41(5

1988. FR 33(4) ep. Zool., Bihar Univ., Muzaffarpur 842001 Bihar, India)

Ram, Raj Narayan and K. P. Joy, MERCURIAL INDUCED CHANGES I 04841 OTHALAMO-NEUROHYPOPHYSICAL COMPLEX IN RELATION TO REPRODUCTI

TELEOSTEAN FISH, CHANNA PUNCTATUS (BLOCH). Bull. Environ. Contam. T)329-336, 1988, FR 33(4)

ent. Advanced Study Zool., Banaras Hindu Univ., Varanasi 221 005, India]

Rathbun, J. E.; S. G. Rood and J. T. Rood. CONCENTRATIONS OF 04842

S AND MFO-INDUCING PCB CONGENERS IN WHOLE CARP AND CARP FILLETS RIVER RAISIN, MI. Int. Assoc. Great Lakes Res. Conf. 30: A-49, 1987. Abstrac

laytheon Serv. Co., 9311 Groh Rd., Grosse Ile, MI 48138] Cyprinus carplo.

3(4)

40-004043 May, Depasising thirty of All Antonic Detendent On 11 OF VARIOUS CELL TYPES IN THE OPERCULAR EPIDERMIS OF RITA RI Contom. Toxicol. 41(3):352-359. 1938. FR 33(4) [464, Saheednagar, Bhubaneswar, India]

88 00 1844 Reddy, Ravichandra S.; Rajender R. Jinna; John E. Uzo-Desaiah. IN VITRO EFFECT OF MERCURY AND CADMIUM ON BRAIN Ca

CATFISH ICTALURUS PUNCTATUS. Bull. Environ. Contam. Toxicol. 4 FR 33(4) [Desaigh: Dep. Neurol., Univ. Miss. Med. Cent., Jackson 392161

88-004845 Richman, Lisa A.; Christopher D. Wren and Pamela M. St FALLACIES CONCERNING MERCURY UPTAKE BY FISH IN ACID STRES Air Soil Pollut. 37(3-4):465-473. 1988. FR 33(4) [APIOS Off., Minist. Environ., 135 St. Clair Ave. W., Suite 100, To M4V 1P5]

88-C0484G Rancero, V.; A. Gazquez; E. Redondo; M. C. Moyar {STRUCTURAL AND ULTRASTRUCTURAL STUDY OF TENCH (*TINCA*) AFTER EXPERIMENTAL INTOXICATION WITH LEAD NITRATE.] J. 35(7):529-543. 1988. In French with English and German summ. FR 33(4) [Dep. Hist. Anat. Pat. F. Vet., Apdo 217, Caceres, Spain] Ruoppa, Marja and Tarja Nakari. THE EFFECTS OF i 88-004847

INDUSTRY (TERVAKOSKÍ DY) WASTÉ WATERS ON THE FERTILIZED E 20(2):201. 1988. FR 33(4)

OF ZEBRAFISH AND ON THE PHYSIOLOGY OF RAINBOW TROUT. W [Natl. Board Waters & Environ., Kylasaarenkatu 10, SF-00550 Brachydanio rerio and Salmo gairdneri in Finland.

88-004848 Russom, C. L.; R. A. Drummond and A. D. Hoffman. ACU BEHAVIORAL EFFECTS OF ACRYLATES AND METHACRYLATES TO J MINNOWS. Bull. Environ. Contam. Toxicol. 41(4):589-596, 1988. FR 33(4)

[U.S. Environ, Protection Agency, Environ, Res. Lab., 6201 Congdon 55804] Pimephales prometas.

88-004849 Sadler, K. and S. Lynam, THE INFLUENCE OF CALCIU INDUCED CHANGES IN THE GROWTH RATE AND MORTALITY OF BROW TRUTTA L. J. Fish Biol. 33(2):171-179, 1988, FR 33(4) [Cent. Electric. Res. Lab., Freshwater Biol. Unit, Ratcliffe-on-Soal OEE, England)

Saiki, Michael K. and Thomas W. May. TRACE ELEMI BLUEGILLS AND COMMON CARP FROM THE LOWER SAN JOAQUIN RI AND ITS TRIBUTARIES. Sci. Total Environ. 74:199-217. 1988. FR 33(4)

[U.S. Fish & Wildl, Serv., Natl. Fish. Contam. Res. Cent., 6924 Trem 95620) Lepomis macrochirus and Cyprinus carpio.

88-004851 Sanders, Marion and Bennie L. Haynes, DISTRIBUTION REDUCTION OF POLYCHLORINATED BIPHENYLS (PCB) IN BLUE SALTATRIX (LINNAEUS) FILLETS THROUGH ADIPOSE TISSUE REMOV Contam. Foxical, 41(5):670-677, 1988, FR 33(4)

004852 | Sandstrom, O.; E. Neuman and P. Karas. EFFECTS OF A BLEACHED PULI LUENT ON GROWTH AND GONAD FUNCTION IN BALTIC COASTAL FISH. Wate hnot, 20(2):107-118, 1988, FR 33(4) Natl, Environ, Protection Board, Mar. Sect., P.O. Box 584, S-740-71 Oregrand, Sy on fluviatilis and Rutilus rutilus. 004853 Schuldt, R. J. and D. A. Johnson. TREATMENT APPROACHES OTECTING HEXAGENIA DURING CHEMICAL CONTROL OF SEA LAMPREYS. Int. out Lakes Res. Conf. 30:A-53, 1987. Abstract only. FR 33(4) U.S. Fish & Wildl. Serv., Marquette, MI 498551 Petromyzon marinus. 634854 Shannon, Lyle J.; Michael C. Harrass; J. David Yount and Char bridge. A COMPARISON OF MIXED FLASK CULTURE AND STANDARDIZED LABOR/ DEL ECOSYSTEMS FOR TOXICITY TESTING. ASTM Spec. Tech. Publ. No. 920. p . 1986. FR 33(4) Dep. Biol. Univ. Minn., Duluth 55812) 004855 Sharma, R. M. EFFECT OF ENDOSULFAN ON ADENOSINE TRIPHOSPHA [Pase] ACTIVITY IN LIVER, KIDNEY, AND MUSCLES OF CHANNA GACHUA. dron, Contam. Toxicol, 41(3):317-323, 1988, FR 33(4) School Studies Bot., Jiwaji Univ., Gwalior-474001, India) 00485G Sheehan, P. J.; R. P. Axler and R. C. Newhook. EVALUATION OF S NERIC AQUATIC ECOSYSTEM TESTS TO SCREEN THE ECOLOGICAL IMPACT STICIDES. ASTM Spec. Tech. Publ. No. 920, p. 158-179, 1986, FR 33(4) Agua Terra Technol., Pleasant Hill, CA 945231 004857 Shrestha, Krishna P.; Rafael Noguera; Jose Chopite and Pastora ROURY CONTENT OF SOME MARINE FISH FROM THE SOUTHERN CARIBBEAN SEA al Environ, 73(3):181-187, 1988, FR 33(4) Dep. Chem., Univ. Oriente, Apdo. 104, Cumana, Edo. Sucre, 6101, Venezueta isitiensis, M. curema, and Trichiurus lepturus. Sodergren, A. and J. Wartiovaara, editors. FOREST INDI 004858 STEWATERS - ENVIRONMENTAL EFFECTS, SECOND VOLUME OF THE PROCEEDIN IAWPRC SYMPOSIUM HELD AT THE UNIVERSITY OF TECHNOLOGY, FINLAND NE 1987. Water Sci. Technol. 20(2):1-211. 1988. FR 33(4) Univ. Lund, Lund, Sweden] Selected articles indexed in this issue of Fisheries Rev 004859 Sprague, J. B. A SIMPLE IN-STREAM TEST OF LABORATORY FINDINGS A PROTECTS FISH AND INVERTEBRATES AGAINST COPPER AND ZINC. ASTM ch. Publ. No. 920. p. 213-223, 1986, FR 33(4) Dep. Zool., Univ. Guelph, Guelph, ON, Canada N1G 2W1) 004860 Sprenger, Mark D.; Alan W. McIntosh and Stephanie Hoenig, CONCENTRA TRACE ELEMENTS IN YELLOW PERCH (PERCA FLAVESCENS) FROM SIX ACIDIC I ter Air Soil Pollut, 37(3-4):375-388, 1988, FR 33(4) Cent. Coastal & Environ. Studies & Dep. Environ. Sci., Rutgers Univ., New Brus 08003] PANEL TABLE CO. D. and Milliam I. Markon, DETECTION OF DENTACHIODOR 48105-1593] Carossius auratus.

anguilla in the Netherlands.

- 88-004862 Tam, W. H.; J. N. Fryer; I. Ali; M. R. Dallaire and E INHIBITION, GLUCONEOGENESIS, AND MORPHOMETRIC STUDIES OF INTERRENAL CELLS OF ACID-STRESSED BROOK TROUT (SALVE
- Can. J. Fish. Aquat. Sci. 45(7):1197-1211. 1988. In English with Free [Dep. Zool., Univ. West. Ontario, London, ON, Canada NGA 5B7]
- 88-034863 Tana, J. J. SUBLETHAL EFFECTS OF CHLORINATED ACIDS ON RAINBOW TROUT (SALMO GAIRDNERI). Water Sci. Technic R 33(4) [Environ. Res. Group, Parolantie 3 D 8, SF-02200 Espoo, Finland]
- 88-C04864 Thulin, J.; J. Hoglund and E. Lindesjoo, DISEASES AND IN A BLEACHED KRAFT MILL EFFLUENT. Water Sci. Technol. 20: 33(4)

 [Natl. Environ. Protection Board, Mar. Sect., Box 584, S-740 in the sect.

Perco fluviatilis, Rutilus rutilus, Cymnocephalus cernuus, and Esox is

- 88-004865 Tietge, J. E.; R. D. Johnson and H. I., Bergman, MOR IN GILL SECONDARY LAMELLAE OF BROOK TROUT (SALVELINUS LONG-TERM EXPOSURE TO ACID AND ALUMINUM, Can., J. Fish. At 1648, 1988, in English with French summ, FR 33(4)
- 88-004866 van der Oost, Ron; Henk Heida and Antoon Opperhuizer BIPHENYL CONGENERS IN SEDIMENTS, PLANKTON, MOLLUSCS, CRU IN A FRESHWATER LAKE: IMPLICATIONS OF USING REFEREN INDICATOR ORGANISMS IN BIOACCUMULATION STUDIES. Arc Toxicol. 17(6):721-729, 1988. FR 33(4)

[Environ. Res. Lab., Amstelveensewag 88-90, 1075 XJ Amsterdam,

[Am. Sci. Int., Inc., 6201 Congdon Blvd., Duluth, MN 55804]

- 88-004867 Vas, Philip and J. D. M. Gordon. TRACE METAL CONG SCYLIORHINID SHARK CALEUS MELASTOMUS FROM THE ROCKALL Buil. 19(8):396-398. 1988. FR 33(4)
- [Dep. Biol. Sci., Univ. Salford, Salford M5 4WT, England]
- 88-004868 Veijanen, Anja; Mirja Lahtlpera and Jaakko Paasivirta. A OF OFF-FLAVOURS IN THE AQUATIC ENVIRONMENT. Water Sci. 7
- 1988. FR 33(4) [Univ. Jyvaskyla, Dep. Chem., Kyllikinkatu 1-3, 40100 Jyvaskyla,
 - 88-004869 Volmer, Johannes; Werner Kordel and Werner Klein. A PF CALCULATING TAXONOMIC-CROUP-SPECIFIC VARIANCES FOR USE ASSESSMENT. Chemosphere 17(8):1493-1500. 1988. FR 33(4) [Fraunhofer-Inst. Umweltchem. & Okotoxikol., D-5948 Schmaller
 - [Fraunhofer Inst. Umweltchem. & Okotoxikol., D-5948 Schmaller Salmo galrdnerl, Pimephales promelas, Leuciscus Idus, Lepoi Brachydanio rerio.
- 90 (VIVO70 Manhamatan C. A. A. Darrana D. O. L. ada ada la

HE TISSUES OF SIX SPECIES OF FISH FROM AQABA, JORDAN. Dirasat 14(12):11 , In English with Arabic summ, FR 33(4) ar. Sci. Stn., P.O. Box 195, Agaba, Jordan) Parupeneus barberinus, Fisi rba, Abudefduf saxatilis, Thalassoma lunare, Chaetodon fusciatus, and Sy enatus. 94872 Walker, R. L.; C. M. Wood and H. L. Bergman, EFFECTS OF LOW ph MINUM ON VENTILATION IN THE BROOK TROUT (SALVELINUS FONTINALIS). C . Aquat. Sci. 45(9):1614-1622. 1988. In English with French summ. FR 33(4) ep. Biol. Sci., Univ. Calgary, Calgary, AB, Canada T2N 1N4] 04873 - Wan, M. T., R. G. Watts and D. J. Moul. EVALUATION OF THE A ICITY TO JUVENILE PACIFIC SALMONIDS OF HEXAZINONE AND ITS FORMUL DUCTS: PRONONE 10G, VELPAR® L, AND THEIR CARRIERS. Bull. Environ. Co

0487) Wahbeh, Mohammad I. and Dureid M. Mahasneh. CONCENTRATIONS OF M

nviron, Canada, Conserv. & Protection, Environ, Protection, Pac. & Yukon R lano 100, Park Royal, West Vancouver, BC, Canada V7T 1A21 Salmo activ orhynchus nerka, O. keta, O. kisutch, and O. tshawytscha. 04874 Weinar, Judith A.; Noreen A. Ersing; John J. Black and Alexand Lubbin. MUTAGENIC AND CARCINOGENIC POTENTIAL OF SEDIMENTS FROM FALO RIVER. Int. Assoc. Great Lakes Res. Conl. 30:A-61, 1987. Abstract on

oswell Park Memorial Inst., Buffalo, NY 14263] 04875 Wendelaar Bonga, S. E.; P. H. M. Balm and G. Flik, CONTROL OF PROL

RETION IN THE TELEOST *OREOCHROMIS MOSSAMBICUS*: EFFECTS OF V DIFICATION. Gen. Comp. Endocrinol. 72(1):1-12, 1988. FR 33(4) lep. Anim. Physiol., Univ. Nijmegen, 6525 ED Nijmegen, Netherlands) 04876 Whittle, D. M.; W. H. Hyatt and M. J. Koir, SEASONAL VARIATIO PHILIC CONTAMINANT LEVELS IN TISSUES OF LAKE ONTARIO SALMONIDS oc. Great Lakes Res. Conf. 30: A-62, 1987. Abstract only, FR 33(4)

ish, & Oceans Canada, Great Lakes Lab. Fish. & Aquat. Sci., Burlington, ON, C 4AG] Salvelinus namaycush, 04877 Wood, C. M.; B. P. Simons; D. R. Mount and H. L. Bergman. PHYSIQLO

DENCE OF ACCLIMATION TO ACID/ALUMINUM STRESS IN ADULT BROOK VELINUS FONTINALIS). 2. BLOOD PARAMETERS BY CANNULATION. Can. J.

at. Sci. 45(9):1597-1605. 1988. In English with French summ. FR 33(4) Dep. Blot., McMaster Univ., Hamilton, ON, Canada L8S 4K11

04878 Wood, C. M.; D. G. McDonald; C. E. Booth; B. P. Simons; C. G. Ingarso L. Bergman. PHYSIOLOGICAL EVIDENCE OF ACCLIMATION TO ACIDIALU

ESS IN ADULT BROOK TROUT (SALVELINUS FONTINALIS), 1. BLOOD COMPOS

NET SODIUM FLUXES. Can. J. Fish. Aquat. Sci. 45(9):1587-1596, 1988. In E French summ. FR 33(4)

Dep. Biol., McMaster Univ., Hamilton, ON, Canada L8S 4K1)

col, 41(4):609-616, 1988, FR 33(4)

BLOOD GASES, ACID-BASE STATUS, IONS, AND HEMATOLOGY IN ADI (SALVELINUS FONTINALIS) UNDER ACID/ALUMINUM EXPOSURE. Con Sci. 45(9):1575-1586, 1988. In English with French summ. FR 33(4) [Dep. Biol., McMaster Univ., Hamilton, ON, Canada L8S 4K1]

The Contraction of the Dimons,

CONTAMINATION OF WETLANDS HABITAT AND THE TOXICI: INVERTEBRATES AND FISH. Arch. Environ. Contam. Toxicol. 17(5) 33(4) [U.S. Fish & Wildl. Serv., 101 12th Ave., Fed. Bldg., Fairbanks, AK

88-004880 Woodward, Daniel F.; Elaine Snyder-Conn; Robert G. Ri Garland, DRILLING FLUIDS AND THE ARCTIC TUNDRA OF AL

88-004881 Zabik, Mary E.; Nancy C. Stachiw, Alden M. Booren and Mat EFFECT OF PROCESSING/COOKING ON DIOXIN LEVELS OF REST

FILLETS. Int. Assoc. Great Lakes Res. Conf. 30:A-64. 1987. Abstract of [Dep. Food Sci. & Human Nutr. & Pest. Res. Cent., Mich. State t 48824] Cyprinus carpio.

Zayed, S. M. A. D.; Abla Ezz El-Arab and I. Y. Mosta CARBOFURAN IN A RICE-FISH MODEL ECOSYSTEM. J. Environ. Sci. H. Food Contam. Agric. Wastes 23(4):401-407, 1988, FR 33(4)

[Middle East, Regional Radioisotope Cent. Arab Countries, Dokki, Ca nilotica.

RESEARCH AND MANAGEMENT-GENERAL

88-004883 Ables, Ernest D. and Kerry P. Reese. USDA FUNDIN RESEARCH. Fisheries (Bethesda) 13(5):22-24, 1988, FR 33(4)

[Fish & Wildl. Dep., Univ. Idaho, Moscow 83843]

88-004884 Bas, Carlos. [BIOLOGICAL AND ECONOMIC ASPECTS C

summ. FR 33(4)

2):963-972, 1988, FR 33(4)

THEIR INTEGRATION.] Invest. Pesq. 51(Suppl. 2):1-5, 1987. In S.

[Inst. Cienc. Mar. Paseo Nac., s/n 08003 Barcelona, Spain]

[Nat. Hist. Surv., 607 E. Peabody Dr., Champaign, IL 61820]

O. O. 0055 Fill

88-004885 Bayley, Peter B. ACCOUNTING FOR EFFORT WHEN CON FISHERIES IN LAKES, RIVER-FLOODPLAINS, AND LAGOONS, Limnol, C

88-004886 Bence, J. R. INDIRECT EFFECTS AND BIOLOGICAL CONTRI

[Dep. Water Resour., P.O. Box 942836, Sagramento, CA 94236-0001]

BY MOSQUITOFISH. J. Appl. Ecol. 25(2):505-521. 1988. FR 33(4) [Mar. Review Comm., 275 D. Orange Ave., Goleta, CA 93117] California. 88-004887 Brown, Randall L. 1985-1986 ANNUAL REPORT OF T ECOLOGICAL STUDIES PROGRAM FOR THE SACRAMENTO-SAN J Interagency Ecol. Study Prog. Socramento-San Joaquin Estuary Annu. I 33(4)

REATIONAL FISHERIES. In: Allocation of Fishery Resources. John H. Grover, e 87-39, 1980. In English with French summ. FR 33(4) J.S. Fish & Wildl. Serv., Washington, DC 202401 004889 Crutchfield, Stephen R. FISHERY ECONOMICS: CURRENT STATUS LOOK FOR THE FUTURE, Invest. Pesq. 51(Suppl. 2):7-19, 1987. In English nish summ, FR 33(4) Dep. Resour, Econ., Univ. R.L., Kingston) Deucl, David G. SURVEY METHODS USED IN THE UNITED STATES M 0.4890 REATIONAL FISHERY STATISTICS PROGRAM. In: Allocation of Fishery Reso H. Grover, editor. p. 82-86. 1980. In English with French summ. FR 33(4) J.S. Dep. Commerce, NOAA, NMFS, Washington, DC 20235] 04891 Deugl. David G. SPECIAL SURVEYS RELATED TO DATA NEEDS REATIONAL FISHERIES. In: Allocation of Fishery Resources, John H. Grover, of 7-81, 1980. In English with French summ. FR 33(4) J.S. Dep. Commerce, NOAA, NMFS, Washington, DC 202351 04892 Dill. William A. BEST USE OF FISHERY RESOURCES: ECOLO SIDERATIONS. In: Allocation of Fishery Resources. John II. Grover, editor. p.). In English with French summ. FR 33(4) Fish, Consult., 730 N. Campus Way, Davis, CA 95616] 004893 European Inland Fisheries Advisory Commission, NATIONAL REPORTS OF BER COUNTRIES FOR THE PERIOD JANUARY 1986 - DECEMBER 1987. *EIFAC* nd Fish. Advis. Comm.) Occas. Pap. No. 20, 100p. 1988, in English. FR 33(4) uropean Inland Fish, Comm., Fish, Dep., FAO, Vla della Terme di Caracalla, e, Italy] 04894 Garcia Alonso, Jose M. [THE BREAKDOWN OF THE LIBERTY OF THE NCIPLE AND THE WORLD FISHERIES CRISIS.] Invest. Pesq. 51(Suppl. 2):13 '. In Spanish with English summ, FR 33(4) Dep. Estructura Econ., Fac. Cienc. Econ. & Empresariales, Univ. Complutense, M in] 004895 Grover, John H., editor. ALLOCATION OF FISHERY RESOU DEEDINGS OF THE TECHNICAL CONSULTATION ON ALLOCATION OF FI OURCES HELD IN VICHY, FRANCE, 20-23 APRIL 1980, FAO/Am, Fish, Soc. 623p 33(4) Dep. Fish. & Allied Aquacult., Auburn Univ., Auburn, AL 36849] Individual ch exed in this issue of Fisheries Review. 004896 Hoeger, Sven. SCHWIMMKAMPEN GERMANY'S ARTIFICIAL FLOATING ISL Soll Water Conserv. 43(4):304-306. 1988. FR 33(4) P.O. Box 597, Pawling, NY 12564]

201897 Johnson, Raymond E. ORIGINS OF RECREATIONAL AND COMMERCIAL FI INTICLES IN THE UNITED STATES. In: Allocation of Fishery Resources, John H. C

on in 153-157, 1980, In English with Ereach summ

194888 - Charbonneau, J. John. NATIONAL SURVEYS RELATED TO DATA NEED

I-004898 Joseph, Edwin B. CONCEPTUAL AND PRACTICAL DIFFICULT LLOCATION IN MIXED COMMERCIAL/RECREATIONAL FISHERIES IN THE SOUTH NITED STATES, In: Allocation of Fishery Resources, John H. Grover, editor, p. 80. In English with French summ. FR 33(4) [Mar. Resour. Div., Wildf. & Mar. Resour. Dep., P.O. Box 12559, Charleston, SC 3-004899 Kerstens, A. P. C. CAPACITY-PLANNING AND SPORTFISHERY ETHERLANDS. In: Allocation of Fishery Resources. John H. Grover, editor. p. 980. In English with French summ. FR 33(4) [Minist. Agric. & Fish., Grifficentagn 2, 3502 La Utrecht, Netherlands] 3-004900 - Leopold, Marian; Maria Britiska and Migozyslaw Hus. ANGLING, RECR OMNERCIAL FISHERIES AND PROBLEMS OF WATER RESOURCES ALLOCATI Hocation of Fishery Resources. John H. Grover, editor. p. 212-221, 1980. In Eng rench summ. FR 33(4) [Inland Fish. Inst., Blok 5, 10-957 Olsztyn-Kortowo, Poland] 3-004901 Lind, Esko A. FISHING, FISH YIELD PARAMETERS AND STOC RESHWATER BASINS IN FINLAND. In: Allocation of Fishery Resources. John H ditor. p. 243-248, 1980. In English with French summ. FR 33(4) [Dep. Zool., Univ. Oulu, 90100 Oulu 10, Finland] 8-004902 - Loftus, Kenneth H.; Arthur S. Holder and Henry A. Regier, A NE. EW STRATEGY FOR ALLOCATING ONTARIO'S FISHERY RESOURCES. In: Allo *Ishery Resources. John H. Grover, editor*, p. 255-264, 1980. In English with Fren R 33(4) [Ontario Minist. Nat. Resour., Toronto, ON, Canada] 8-004903 Marzoa, Antonio. (IMPORTANCE OF THE ASSOCIATIVE STRUCTURE CONOMICS OF FISHERY EXPLOITATION.] Invest. Pesq. 51(Suppl. 2):93-98. panish with English summ. FR 33(4)
[Union Nac. Coop. Mar. 28-Madrid, Spain] 8-004904 Mawle, G. W. and P. F. Randerson. A METHOD FOR THE ASSESS EMAND FOR RECREATIONAL FISHING IN THE SOUTH WALES AREA OF THE Miocation of Fishery Resources. John H. Grover, editor, p. 265-273, 1980. In En rench summ. FR 33(4) [Dap. Appl. Biol., Univ. Wales Inst. Sci. & Technol., King Edward VII Ave., Ca NU, Wales 8-004905 McCabe, Richard E., editor. TRANSACTIONS OF THE FIFTY-THIR MERICAN WILDLIFE AND NATURAL RESOURCES CONFERENCE. Wildl. Mana Washington, DC) 621p. 1988. FR 33(4) [Galt House, Lousiville, KY] Selected papers indexed in this issue of Fisheries R

B-004906 Menendez De La Hoz, Miguel. [THE STATISTICAL CONTROLS IN FISHERY POLICY OF THE EEC.] Invest. Pesg. 51(Suppl. 2):113-118. 1987. In Spa

[Consejeria Agric, & Pesca Asturias, Apdo. 732, 33080 Oviedo, Spain]

English summ. FR 33(4)

```
Suppl. 2):161-167, 1987. In Spanish with English summ. FR 33(4)
Paseo Gracia, 81,08008 Barcetona, Spain]
.004909 Parker, Nick C. AQUACULTURE--NATURAL RESOURCE MANAGERS'
ans. N. Am. Wildi. Nat. Resour. Conf. 53:584-593, 1988. FR 33(4)
U.S. Fish & Wildl. Serv., Southeast. Fish Cult. Lab., Marion, ALL
004910 Salojarvi, Kalervo and Hannu Lehtonen. SUBSISTENCE AND RECREAT
HERIES IN FINLAND. In: Allocation of Fishery Resources. John H. Grover, edi
1-332, 1980. In English with French summ, FR 33(4)
Game & Fish. Res. Inst., Fish. Div., P.O. Box 193, SF-00131 Helsinki 13, Finland
004911 Sanchez Blanco, Jeronimo. [THE FISHERY COMPANIES FINANCING PRO
rest, Pesq. 51(Suppl. 2):119-130, 1987. In Spanish with English summ, FR 33(4)
Credito Social Pesquero, Minist. Econ. & Hacienda, 28 Madrid, Spain]
004912 Stabler, M. J. ESTIMATION OF THE BENEFITS OF FISHING ON U.K. CA
ME PROBLEMS OF METHOD. In: Allocation of Fishery Resources, John H. Grover,
346-355, 1980. In English with French summ, FR 33(4)
Amenity Waterways Study Unit, Dep. Econ. Univ. Reading, Whiteknights, R
glandl
004913 Stabler, M. J. ESTIMATION OF THE ECONOMIC BENEFITS OF FISHI
VIEW NOTE. In: Allocation of Fishery Resources. John H. Grover, editor. p. 3
0. In English with French summ. FR 33(4)
Amenity Waterways Study Unit, Dep. Econ., Univ. Reading, Whiteknights, R
nlandì
604914 Strand, Ivan E., Jr. and Virgil J. Norton. SOME ADVANTAGES OF L/
XES IN FISHERY MANAGEMENT. In: Allocation of Fishery Resources. John H.
tor, p. 411-417, 1980. In English with French summ. FR 33(4)
Dep. Agric. & Resour. Econ., Univ. Md., College Park 20742]
```

004915 Sutinen, J. G. ECONOMIC PRINCIPLES OF ALLOCATION IN RECREAD COMMERCIAL FISHERIES, In: Allocation of Fishery Resources, John H.

-004916 Talhelm, Daniel R. DEFINING ANGLING SUPPLY: THE KEY TO RECREA' SHERY RESOURCE EVALUATION. In: Allocation of Fishery Resources. John H.

tor, p. 432-436, 1980. In English with French summ. FR 33(4)

Dep. Resour. Econ., Univ. R.I., Kingston 02881]

Itor, p. 443-451, 1980. In English with French

VELOPMENTS IN COMPENSATORY METHODOLOGY IN THE UNITED STATES NADA, In: Allocation of Fishery Resources, John H. Grover, editor, p. 274-285, 1

.004008 Ofmedilla, Jesus. [LEGAL SECURITY AND FISHERY ECONOMICS.] Invest

Meyer-Zangr, Assoc., Inc., P.O. Box 965, Davis, CA 95616]

alish with French summ. FR 33(4)

[Welder Wildl. Found., Sinton, TX] --004918 University of Hawaii Department of Zoology, TWELFTH ANNUAL AL ESTER MEMORIAL SYMPOSIUM 2-3 APRIL 1987. Pac. Šci. 42(1-2):115-138. 1988. F Selected papers indexed in this issue of Fisheries Review.

-CO4917 Teer, James G. and Richard L. Noble. PARALLELISMS IN MANAGEM SH AND WILDLIFE, Trans. N. Am. Wildt. Nat. Resour, Conf., 53:564-568, 1988. FI

th French summ. FR 33(4) [Dep. Agric, & Fish., Fish. Dir., Hague, Netherlands] -004920 Varela, Manuel. [PRODUCTION PROCESSES IN FISHERIES.] Inves (Suppl. 2):81-92. 1987. In Spanish with English summ. FR 33(4) Dep. Estructura Econ., Colegio Univ. Vigo, Univ. Santiago, 36-Vigo, Santiago,

I-004919 - van Haasteren, L. M. and A. T. de Groot, SUMMARY OF THE PRO NALYSES OF THE DEMAND FOR AND THE SUPPLY OF FACILITIES FOR SPORT I : Allocation of Fishery Resources, John H. Grover, editor, p. 468-479, 1980, it

DMINISTRATION AND PLANNING

3-004921 Barngrover, Bruce G. ANNUAL REPORT: MAD RIVER SALMON AND ST ATCHERY, 1986-87. Calif. Dep. Fish Came Inland Fish, Admin. Rep. No. 88-3. 1

R 33(4)

3-004922 Dixan, Roger and Robert W. Rose, ANNUAL REPORT: VAN ARSDALE F TATION, 1986-87. Callf. Dep. Fish Came Inland Fish, Admin. Rep. No. 88-1. 10 R 33(4)

3-004923 Gunter, E. Royce, Jr. ANNUAL REPORT: WARM SPRINGS SALM TEELHEAD HATCHERY, 1985-86. Calif. Dep. Fish Game Inland Fish. Admin. Rep. . 7p. 1988, FR 33(4)

3-004924 Gunter, E. Royce, Jr. ANNUAL REPORT: WARM SPRINGS SALM TEELHEAD HATCHERY, 1986-87. Calif. Dep. Fish Come Inland Fish. Admin. Rep. . 9p. 1988, FR 33(4)

8-004925 Poe, Sidney D. ANNUAL REPORT: NOYO RIVER EGG COLLECTING S 986-87. Calif. Dep. Fish Game Inland Fish. Admin. Rep. No. 88-2. 7p. 1988. FR 3

8-004926 Reeff, Mark J. and Steven N. Moyer. IN-KIND MATCH AND WALLOP-NNOVATIVE SOURCES OF STATE SUPPORT FOR SPORT FISHERIES MANAGEMEN'

 Am. Wildi, Nat. Resour. Conf., 53:171-179, 1988. FR 33(4). [Int. Assoc. Fish & Wildl. Agencies, Washington, DC]

204927 Truitt, Robin C. OPPORTUNITIES TO PROTECT INSTREAM FLOWS LAND USES OF WATER IN SOUTH CAROLINA. U.S. Fish Wildi. Serv. Biol. 34):46p. 1988. FR 33(4) Jniv. Denver, Coll. Law, 7039 E. 18th Ave., Denver, CO 802201 04928 - Zagata, Michael D. MITIGATION BANKING AS AN INCENTIVE TO INDU TO FISH AND WILDLIFE AGENCIES. Trans. N. Am. Wildi, Nat. Resour. Conf. 5 1988. FR 33(4) Tenneco Oil Co. Explor. & Prod., Houston, TX] SITAT ALTERATIONS 04929 Amorocho, J.; Tariq N. Kadir; J. J. DoVries and W. J. Hartman. SUSPE MENT STUDIES FOR THE SACRAMENTO RIVER DIVERSION TO THE PERIP IAL. Interagency Ecol. Study Prog. Sacramento-San Joaquin Estuary Tech. Re 5. 1983, FR 33(4) Dep. Land, Air & Water Resourt, Univ. Calift, Verhineyer Hall, Davis, CA 95616] 94930 Baker, J. A.; R. L. Kasul; L. E. Winfield; C. R. Blingham; C. H. Penn R. E. Coleman. AN ECOLOGICAL INVESTIGATION OF THE BALESHED LANDING NOVER, RIVER INJURY OF THE LOWER MISSISSIPPI RIVER, RIVER TO 494 AHP, Lower Miss, River Environ, Program Rep. 12, 104p, 1988. Available \$ 5285 Port Royal Rd., Springfield, VA 22161. FR 33(4) JSAEWES, Environ. Lab., P.O. Box 631, Vicksburg, MS 39180-0631] 204931 Baker, John A.; Richard L. Kasul; Linda E. Winfield; C. Rex Bingham; nington and Richard E. Coleman. AN ECOLOGICAL INVESTIGATION OF REVETTE TURAL BANK HABITATS IN THE LOWER MISSISSIPPI RIVER. Lower Miss. Iron. Program Rep. 9. 124p. 1988. Available from NTIS 5285 Port Royal ingfledl, VA 22161. FR 33(4) JSAEWES, Environ. Lab., P.O. Box G31, Vicksburg, MS 39180-0631) Cuinat, R.; P. Bomassi; B. Bousquet; G. Joberton and A. 004932 SERVATIONS OF JUVENILE ATLANTIC SALMON (SMOLTS) BLOCKED IN THE VAKE OF A NUCLEAR POWER STATION IN THE LOIRE.) In: Allocation of F ources, John H. Grover, editor, p. 57-67, 1980. In French with English summ, FR 84 Ave. du Puy-de-Dome, 63000 Clermant-Farrand, France) Salmo salar. 004933 Cuinat, Robin. (MODIFICATION OF RIVER BEDS: CONSEQUENCES DLOGY AND FISHERIES.) In: Allocation of Fishery Resources. John H. Grover, 47-56, 1980, In French with English summ. FR 33(4) B4 Ave. du Puy-de-Dome, 63000 Clermont-Forrand, France) Davis, Wayne L. IMPACT OF CHANNEL MODIFICATION AND HA 004934 IGATION ON THE FISHERIES AT POOR FORK CUMBERLAND RIVER, CANEY C D RIGHT FORK BEAVER CREEK. Ky. Dep. Fish. Wildl. Resour, Fish. Bull. No. 84 8. FR 33(4) 004935 Decamps, H. [IMPACT OF VARIOUS UTILIZATIONS ON A WATERSHED

ocation of Fishery Resources. John H. Grover, editor, p. 68-70, 1980. In Frenc

dish summ FR 33(4)

- THEIR EFFECTS ON AQUATIC LIFE. In: Allocation of Fishery Resources editor, p. 93-96, 1980. In French with English summ. FR 33(4) [Le Tholonet B.P. 92, 13603 Aix-en-Provence, France]
- 88-004937 Dumont, B. and B. Rivier, [HYDROELECTRIC MANAGEMEN LIFE IN THE ALPS) in: Allocotion of Fishery Resources. John H. Grove 108, 1980. In French with English summ. FR 33(4)
 - [Le Tholonet, B.P. 92, 13603 Aix-en-Provence, France]

88-004938

ORGANIC INFILLING AND CONTAMINANTS ON LAKE TROUT REPROD GREAT LAKES. Int. Assoc. Great Lakes Res. Conf. 30: A-18. 1987. Abstra [Great Lakes Fish, Comm., 1451 Green Rd., Ann Arbor, MI 48105] Salve

Eshenroder, Randy L. A METHOD FOR ASSESSING IN S

- 88-004939 Garcia de Jalon, Diego; Carlos Montes; Elena Barcelo; Ca Felicidad Menes. EFFECTS OF HYDROELECTRIC SCHEME ON FLUVIAL ECO THE SPANISH PYRENEES. Regul. Rivers Res. Manage. 2(4):479-491. 1988 [E.T.S.I. Montes, Univ. Politecnica Madrid, Ciudad Universitaria, 280 Salmo trutto lario, Barbus borbus bocagei, Chondrostoma toxostoma, borbatulus.
- 88-004940 Gerber, Glenn P.; James M. Haynes and Joseph K. Buttner. BEHAVIOR OF SMALLMOUTH BASS IN SOUTHCENTRAL LAKE ONTARIO. Lakes Res. Cont. 30: A-23, 1987. Abstract only. FR 33(4)

[Biol. Sci., SUNY, Brockport, NY 14420] Micropterus dolomieul.

- Landin, Mary C. and Andrew C. Miller. BENEFICIAL US MATERIAL: A STRATEGIC DIMENSION OF WATER RESOURCE MANAGE
- Am. Wildl. Not. Resour. Conf. 53:316-325, 1988, FR 33(4)
- [U.S. Army Eng. Waterways Exp. Stn., Vicksburg, MS]
- 88-004942 Manny, Bruce A. DEGRADATION OF LAKE TROUT SPAWN EUTROPHICATION IN THE GREAT LAKES. Int. Assoc. Great Lakes Re 1987. Abstract only. FR 33(4) (U.S. Fish ε Wildl. Serv., 1451 Green Rd., Ann Arbor, MI 48105) Salve
- 88-004943 Moore, Kelly M. S. and Stan V. Gregory, RESPONSE OF YOU CUTTHROAT TROUT TO MANIPULATION OF HABITAT STRUCTURE IN
- Trans. Am. Fish. Soc. 117(2):162-170, 1988, FR 33(4) [Dep. Fish & Wildl., Oreg. State Univ., Corvallis 97331] Salmo clarki in
- 88-004944 Nichols, Alan B. A VITAL ROLE FOR WETLANDS. J. Water P 60(7):1215-1221, 1988, FR 33(4)
 - [WPCF, 601 Wythe St., Alexandria, VA 22314-1994]
- 88-004945 Odom, Michael C.; Richard J. Neves and John J. Ne IMPEDIMENTS TO SPAWNING MIGRATIONS OF ANADROMOUS FISHES IN Va. J. Sci. 39(2):150, 1988. Abstract only. FR 33(4)

88-004954 CONTINUED p. 493-501, 1980. In English with French summ. F [Dep. Zool. & Entomol., Colo. State Univ., Fort Collins 80523]

HARVEST, CREEK CENSUS, ETC.

88-004956

88-004955 Lind, Esko A. LONG-TERM TRENDS IN RIVER AND OFF-SHO OF THE SALMON, SALMO SALAR, IN FINLAND. In: Allocation of Fishe. H. Grever, editor. p. 249-254, 1980. In English with French summ. FR 33 [Dep. Zool., Univ. Oulu, 90100 Oulu 10, Finland]

FLAVOBRUNNEUM (SMITH), COMMERCIALLY FISHED IN THE WATERS PACIFIC COAST OF JAPAN.) Bull. Far Seas Fish, Res. Lob. No. 25. p Japanese with English summ, FR 33(4)

apanese with English summ. FR 33(4) [Far Seas Fish、Res. Lab., 7-1, 5-chome Orido, Shimizu 424, Japan]

Nishikawa, Yasuo and Ikuo Warashina. [ESCOLAR

88-004957 Straight, Lee. SEA-SALMON AND TROUT: THE BE ANADROMOUS SALMONIDS. In: Allocation of Fishery Resources. John H. 403-410. 1980. In English with French summ. FR 33(4)
[Dep. Fish. & Oceans, Pac. Region, Vancouver, BC, Canada V6E 2P1]

88-004958 Suzuki, Ziro. STUDY OF INTERACTION BETWEEN LONGLINE FISHERIES ON YELLOWFIN TUNA, THUNNUS ALBACARES (BONNATERIFISH, Res. Lab., No. 25. p. 73-145, 1988. In English with Japanese summ [Far Seas Fish. Res. Lab., 7-1, 5-chome Orldo, Shimizu 424, Japan]

FISH CONTROL AND REMOVAL

88-004959 Bulow, Frank J.; Mark A. Webb; W. Dennis Crumby and Sc EFFECTIVENESS OF A FISH BARRIER DAM IN LIMITING MOVEMENT FROM A RESERVOIR INTO A TRIBUTARY STREAM. N. Am. J. Fish. Mc 1988. FR 33(4)

[Dep. Biol. & Cent. Manage., Utilization, & Prot. Water Resour., Tel Cookeville 38505] Aplodinatus grunnlens, Moxastoma duquesnel, Ictioba carpio, Dorosoma cepedianum, M. erythrurum, and M. anisurum in Tenna

88-004960 Kano, Robert M. RESPONSES OF JUVENILE C UNCORHYNCHUS TSHAWYTSCHA, AND AMERICAN SHAD, ALOSA SAPITERM EXPOSURE TO TWO-VECTOR VELOCITY FLOWS. Interagency Socramento-San Joaquin Estuary Tech. Rep. 4. 20p. 1982. FR 33(4) [Bay-Delta Fish. Project, 4001 N. Wilson Way, Stockton, CA 95205]

88-004961 Lamsa, Aarne K. USE OF BARRIERS TO REDUCE SEA LAMPITHE GREAT LAKES. Int. Assoc. Great Lakes Res. Conf. 30:A-37. 1987

33(4) [Great Lakes Fish. Comm., 145] Green Rd., Ann Arbor, MI 48105] Pet

- 88-004962 Pickard, Alan; Alan Baracco and Robert Kano. OCCURREN AND SIZE OF FISH AT THE ROARING RIVER SLOUGH INTAKE, CALIFORNIA DURING THE 1980-81 AND THE 1981-82 DIVERSION SEAS Ecol. Study Prog. Sacramento-San Joaquín Estuary Tech. Rep. 3, 14p. 19 1Bay-Delta Fish, Project, 4001 N. Wilson Way, Stockton, CA 952051
- 88-004963 Rain, K. Janaki; G. R. M. Rao; S. Ayyappan; C. S. Puri Saba; K. C. Pani and H. K. Muduh, A COMBINATION OF COMMET POWDER AND UREA AS A POTENTIAL PISCICIDE. Aquaculture 72(3/4): 33(4)
- [Cent. Inst. Freshwater Aquacult. (ICAR), Kausalyagang, Bhubanesw India] *Channa punctotus*.
- 88-004964 Seelye, James G. NEW APPROACH TO CONTROLLING SEA LA MALE RELEASE. Int. Assoc. Great Lakes Res. Conf. 30:A-54, 1987. 33(4)
- [U.S. Fish & Wildl. Serv., Hammond Bay Biol. Stn., Rt. 1, Box 41 49759] Petromyzon marinus.
- 88-004965 Seelye, James G; David A. Johnson; Jerry G. Weise and Ex GUIDE FOR DETERMINING APPLICATION RATES OF LAMPRICIDES FOR LAMPREY AMMOCETES. Great Lakes Fish. Comm. Tech. Rep. No. 52, 23g [U.S. Fish & Wildl. Serv., Hammond Bay Biol. Stn., Millersburg galidner!, Perca flavescens, Ictalurus punctatus, and Petromyzon marinus
- 88-004966 Smith, Lawrence W. CLOGGING, CLEANING, AND CORREPOSSIBLE FISH SCREENS FOR THE PROPOSED PERIPHERAL CANAL, Study Prog. Sacramento-San Jouquin Estuary Tech. Rep. 1. 64p. 1982. F [Dep. Water Resour., P.O. Box 942836, Sacramento, CA 94236-0001]
- 88-004967 Weise, J. G. EVALUATING LENTIC LARVAL SEA LAMPR MARINUS, POPULATIONS. Int. Assoc. Great Lakes Res. Conf. 30: A-only. FR 33(4)
 - [DFO, Sea Lamprey Control Cent., Sault Ste. Marie, ON, Canada PGA 1

MARKING AND TAGGING

- 88-004968 Bourgeois, C. E. and M. F. O'Connell. OBSERVATIONS MIGRATION OF ATLANTIC SALMON (SALMO SALAR L.) SMOLTS THROUAS DETERMINED BY RADIOTELEMETRY AND CARLIN TAGGING STUD
- 66(3):685-691, 1988. In English with French summ. FR 33(4)
 [Sci. Branch, Dep. Fish. & Oceans, P.O. Box 5667, St. John's, NF, Co
- 88-004969 Chandler, G. L. and T. C. Bjornn. AN EVALUATION OF E POTENTIAL GENETIC MARKER IN STEELHEAD. Idaho Coop. Fish Wildi Rep. 88(2):60-71, 1988. FR 33(4)
 - (Coop. Fish & Wildl. Res. Unit, Univ. Idaho, Moscow 83843) Salmo galro

88-004970 Gausen, D. and O. K. Berg. STRONTIUM LEVELS IN SCALE OF WILD AND HATCHERY-REARED A FLANTIC SALMON, SALMO SA Aquacult, Fish. Manage, 19(3):299-304, 1988, FR 33(4)

[Dir. Nat. Manage., Tungasletta 2, N-7004 Trondheim, Norway] S. tru

88-004971 Hansen, Lars P. EFFECTS OF CARLIN TAGGING AND SURVIVAL OF ATLANTIC SALMON (SALMO SALAR L.) RELEASED AS SM 70(4):391-394, 1988, FR 33(4)

[Dir. Nat. Manage., Fish Res. Drv., Tungasletta 2, N-7047 Trondhenn,

Heidinger, Roy C. and S. Bradford Cook. USE OF CODE 88-004972 MARKING FINGERLING FISHES. N. Am. J. Fish. Monage. 8(2):268-272.

[Coop. Fish. Res. Lab. & Dep. Zool., South. III. Univ., Carbondale vitreum, Notemigonus crysoleucas, Ictalurus punctatus, Lepomis Micropterus sulmoides.

88-004973 Johnson, B. O. and O. Ugedal. EFFECTS OF DIFFEREN CLIPPING ON OVER-WINTER SURVIVAL AND GROWTH OF FINGERLIA

SALMO TRUTTA L., STOCKED IN SMALL STREAMS IN NORWAY. Agua 19(3):305-311, 1988, FR 33(4) [Dir. Nat. Manage., Tungasletta 2, N-7000 Trondheim, Norway]

88-004974 Konovalov, Yu. D. EFFECT OF METALS IN WATER ON DYE

SEX CELLS OF FISHES, J. Ichthyol. (Engl. Transl. Vopr. Ikhtlol.) 276 33(4) [Inst. Hydrobiol., Acad. Sci. Ukrainian SSR, Kiev. USSR] Ctenophoryngodon idella, and Hypophthalmichthys molitrix. 88-004975 Nashida, Kazuya and Kazunori Kato. [STUDIES ON GROUNDI

IN THE COASTAL WATERS OF NORTHERN NIIGATA PREFECTURE. II FISHING MORTALITY COEFFICIENT OF YOUNG BASTARD HALIBUT OLIVACEUS, FROM TAGGING EXPERIMENTS.] Bull. Jpn. Sen Reg. Fis 20. 1988. In Japanese with English summ. FR 33(4) [Japan Sea Regional Fish. Res. Lab., Suido-cho, Niigata 951, Japan]

88-004976 Tsukamoto, K.; K. Mochizuki; T. Otake; Y. Yamazaki; N Kajihara. LARVAL MIGRATION OF AMPHIDROMOUS AYU: APPLICAT 1:551, 1987. Abstract only, FR 33(4)

TAGGING TO A MARK-RECAPTURE STUDY ON EGGS AND LARVAE. Am Ocean Res. Inst., Univ. Tokyo, Minamidai, Nakano-ku, 164 Tokyo, oltivells.

88-004977 Tsukamoto, Katsumi. OTOLITH TAGGING OF AYU EMBRYO W SUBSTANCES. Nippon Suisan Gakkaishi 54(8):1289-1295, 1988. In En-

summ. FR 33(4) Ocean Res. Inst., Univ. Tokyo, Minamidai, Nakano, Tokyo 164, . altivelis.

Tyus, Harold M. LONG-TERM RETENTION OF IMPLANTED COLORADO SQUAWFISH AND RAZORBACK SUCKER. N. Am. J. Fish. Ma 1988, FR 33(4)

FISHERIES REVIEW

RKING AND TAGGING (CONTINUED)

GOING IN SOUTH AFRICA. Ocean, Res. Inst. (Durbon) Poster No. 11, 1987. P Sixth National Oceanographic Symposium, University of Stellenbosch, Stellenbosc y 1987, FR 33(4) Oceanogr. Res. Inst., P.O. Box 10712, Marine Parado, Durban 4056, South Afric

00:1979 van der Elst, R.; E. Bullen and F. Adkin. COOPERATIVE MARIN

OCKING AND INTRODUCTIONS

004980 Chandler, G. L. and T. C. Bjornn, RELATIVE SURVIVAL AND GRO EELHEAD EMERGING EARLY VERSUS LATE FROM REDDS. Idaho Coop. Fish Will t Tech. Rep. 88(2):1-59, 1988, FR 33(4)

Coop. Fish & Wildl. Res. Unit. Univ. Idaho, Moscow 83843] Salmo galrdnerl in Ida

004981

004982

1

1)

nch summ. FR 33(4)

Hortle, Michael E. THE QUARANTINE OF ATLANTIC SALMON (SALMO IN TASMANIA, 1984-86. Tasm. Mar. Lab. Tech. Rep. No. 29, 31p. 1988. FR 33(Dep. Sea Fish, Tasm. Mar. Lab., Crayfish Point, Taroona, Tasm. 7053, Australia

Irving, J. R. POSTSTOCKING MOVEMENTS OF LARGE COHO CORHYNCHUS KISUTCH) FINGERLINGS INTRODUCED IN FEBRUARY INTO A

20:1983 Kinman, Benjamin T. EVALUATION OF STRIPED BASS INTRODUCTI SE CUMBERLAND, Ky. Dep. Fish. Wildl. Resour. Fish. Bull. No. 83, 49p. 1 orone saxatilis in Kentucky.

ASTAL STREAM. Can. J. Fish. Aquat. Sci. 45(7):1316-1321. 1988. In Engli

Dep. Fish. & Oceans, Biol. Sci. Branch, Pac. Biol. Stn., Nanaimo, BC, Can.

- 104984 Rossi, R.; A. Carrieri; M. G. Rizzo and M. Lucchini. USE OF INT ARING SYSTEMS AS BACK-UP FOR COASTAL LAGOON AQUACULTURE: AN EXPE H EELS, ANGUILLA ANGUILLA L., IN THE COMACCHIO LAGOONS. Aquacul
- age. 19(4):355-361, 1988, FR 33(4) Inst. Zool., Univ. Ferrara, Via Borsari 46, 44100 Ferrara, Italy)

104985 Welcomme, R. L., compiler. INTERNATIONAL INTRODUCTIONS OF JATIC SPECIES. FAO Fish, Tech. Pap. No. 294, 318p, 1988. FR 33(4)

Fish Resour, E Environ, Dry , FAO Fish Dep , Rome, Italy)

214986 - Williams, Jack E.; Donald W. Sada; Cynthia Deacon Williams; James R. E es E. Johnson; Paul C. Marsh; Don E. McAllister; E. Philip Pister; Randy D.

n N. Rinne; Michael D. Stone; Linda Ulmer and Donna L. Withers. AMERICAN FIS LETY GUIDELINES FOR INTRODUCTIONS OF THREATENED AND ENDANGERED reries (Bethesda) 13(5):5-11, 1988, FR 33(4)

Dep. Wildl. & Fish. Biol., Univ. Calif., Davis 95616-5270]

- 88-004988 Cox, Jim and Paul Hammerschmidt, HOW TO HANDLE A FI 46(8):18-21, 1988, FR 33(4)
 - 89-004989 Dahm, E. BIBLIOGRAPHY OF EXISTING LITERATURE INLAND WATER FISHING GEAR PUBLISHED BY EUROPEAN AUTHORS
 - Fish. Advis. Comm.) Occas. Pap. No. 18, 48p. 1987. FR 33(4) (Bundesforschungsanstalt Fisch., Inst. Fangtech., Palmaille 9-20
 - Germany 1
 - Kajihara, Takeshi, Katsumi Tsukamoto, Tsuguo Otake Hiroshi Hasumoto; Machiko Oya and Osame Tabeta, SAMPLING REFERENCE TO THE DIEL VERTICAL MIGRATION AND THE GE Gakkalshi 54(6):941-946, 1988, In English, FR 33(4) [Ocean Res. Inst., Univ. Tokyo, Minamidai, Nakano, Tokyo
 - inponica. Karasuno, Keiichi; Syunji Jyanuma and Kunisaburo Yor STUDIES ON HYDRODYNAMIC FORCES AND MOMENT FOR MANEUT FISHING VESSELS (4) ON MATHEMATICAL MODEL OF SHIP HYDRO
 - MOMENT WHILE DRIFTING.] Bull. Fac. Fish. Hokkaldo Univ. 3 Japanese with English summ. FR 33(4) [Div. Fish. Boat Eng., Fac. Fish., Hokkaido Univ., Minato-cho, Hall
 - 88-004992 Le Gagneur E., M. (THE "BRAZILIAN BARRIER" IN GU 17. p. 31-36, 1987, in French, FR 33(4)
 - 88-004093 Lien, Jon. PROBLEMS OF NEWFOUNDLAND FISHERMEN AND SHARKS DURING 1987 AND A REVIEW OF INCIDENTAL ENTR FISHING GEAR DURING THE PAST DECADE. Osprey 19(1):30-38. 1988
 - Dep. Psychol. & Newfoundland Inst. Cold Ocean Sci., Memorial Un John's, NF, Canadal
 - 88-004994 Lin, Jiun-chern; Osemu Sato; Katsuaki Nashmoto and [HYDRODYNAMIC CHARACTERISTICS OF LIFT AND DRAG OF SAL BOARDS FOR DIFFERENT CAMBERS.] Nippon Sulsan Gakkaishi 54 Japanese with English summ, FR 33(4) [Fac. Fish., Hokkaido Univ., Hakodate 041, Japan]
 - 88-004995 Maitips, Parakum and Sena S. De Silva. THE STRUCTUR KRAAL, A FISHING GEAR, IN A SRI LANKAN LAGOON, Indian J 1986, FR 33(4)
 - - ["Pasadika", Maitipe, Galle, Sri Lanka] 88-004996 McEachron, Lawrence W.; Jeff F. Doerzbacher; Gary C Green and Gary E. Saul. REDUCING THE BYCATCH IN A CO FISHERY, U.S. Natt. Mar. Fish, Serv. Fish. Bull. 86(1):109-117. 198

nebulosus, and Pogonius cromis.

88-004997 Minns, Charles K. and Donal A. Hurley. EFFECTS OF N

[Parks & Wildl. Dep., P.O. Box 1717, Rockport, TX 78382] Scluenos

UU4998 Scarsbrook, J. R.; G. A. McFarlane and W. Shaw. EFFECTIVENE PERIMENTAL ESCAPE MECHANISMS IN SABLEFISH TRAPS, N. Am. J. Fish. A 1:158-161, 1988, FR 33(4) Dep. Fish. & Oceans, Fish. Res. Branch, Pac. Biol. Stn., Nanaimo, BC, Canac Anopiopoma fimbria. 004999 Tweddle, D. and P. Bodington. A COMPARISON OF THE EFFECTIVENE ACK AND WHITE GILLNETS IN LAKE MALAWI, AFRICA, Fish, Res. G(3):257-269 33(4) P.O. Box 27, Monkey Bay, Malawi) Oreochromis spp., Bagrus meridionalis, and indricus. HWAYS, FISH PASSAGE THROUGH DAMS, ETC. 035030 Goller, James and Edward Sheets. THE COLUMBIA BASIN FISH AND WII OGRAM: A DEBT TO THE PAST, AN INVESTMENT IN THE FUTURE. Trans. A II. Nat. Resour. Conf. 53:288-298, 1988. FR 33(4). Northwest Power Planning Counc., Boise, 1D) 005001 Millette, A. J. WILDER FISH LADDER WITH A HYDROTURBINE AS A TRACTING WATER SYSTEM. Am. Fish. Soc. Symp., 1:551, 1987. Abstract only. FR New England Power Co., 25 Research Dr., Westborough, MA 015811 005002 Orsborn, John F. FISHWAYS--HISTORICAL ASSESSMENT OF D ACTICES. Am. Fish. Soc. Symp. 1:122-130. 1987. FR 33(4) Albrook Hydraulics Lab., Dep. Civil & Environ, Eng., Wash, State Univ., Pullman COSO03 Reading, Harvey H. PASSAGE OF JUVENILE CHINOOK SA CORHYNCHUS TSHAWYTSCHA, AND AMERICAN SHAD, ALOSA SAPIDISSIMA, TH RIOUS TRASHRACK BAR SPACINGS. Interagency Ecol. Study Prog. Sacramer quin Estuary Tech. Rep. 5, 10p, 1982, FR 33(4) Bay-Delta Fish, Project, 4001 N. Wilson Way, Stockton, CA 952051 THEMATICS, STATISTICAL METHODS, AND MODELING 005004 Anderson, Lee G. AN ECONOMIC ANALYSIS OF JOINT RECREATIONA MMERCIAL FISHERIES. In: Allocation of Fishery Resources, John H. Grover, edi 26, 1980. In English with French summ. FR 33(4) Coll. Mar. Studies, Univ. Del., Newark 19711] 095005 Arditi, Roger and Bernard Dacorogna, OPTIMAL FORAGING IN NONP BITATS. 2. UNBOUNDED ONE-DIMENSIONAL HABITAT. SIAM J. Appl. Moth. 476 . 1987. From: Deep-Sea Res. Part B Oceanogr. Lit. Rev. 35(5):467-468. 1988. FR

Inst. Zool. & Ecol. Anim., Univ. Lausanne, CH-1015 Lucerne, Switzerland]

Fish. 6 Oceans, Great Lakes Lab. Fish. 6 Aquat. Sci., 867 Lakeshore Rd., P.(D. Burlington, ON, Canada L7R 4A6] Stizostedian vitreum, Morone americana,

udoharengus, and Perca Havescens in Lake Ontario.

001997 CONTINUED

- 88-005006 Barber, Willard E. MAXIMUM SUSTAINABLE YIELD LIVES ON Manage: 8(2):153-157, 1988 FR 33(4) [School Fish, & Ocean Sci., Univ. Alaska, Fairbanks 99775]

ECOSYSTEMS. Chemosphere 17(8):1487-1492. 1988. FR 33(4) [Environ, Sci. Div., Oak Ridge Natl. Lab., Oak Ridge, TN 37830]

88-005007

83-005008

Environ. Econ. Manage. 15(1):9-29. 1988. FR 33(4) [Inst. Fish. Econ., Norwegian School Econ. & Business Admin., Hell Bergen, Norway)

Barnthouse, Lawrence W.; Glenn W. Suter II and Ste

RISKS OF TOXIC CHEMICALS TO AQUATIC

Bjorndal, Trond. THE OPTIMAL MANAGEMENT OF NORTH

POI

- 88-005009 Biornn, T. C. A LIFE HISTORY MODEL FOR PREDICTING AND YIELD OF ANADROMOUS SALMONIDS. Idaho Coop. Fish Wildl. Res. 87(2):41p. 1987. FR 33(4)
- [Coop. Fish & Wildl. Res. Unit, Univ. Idaho, Moscow 83843] Oncorhynchus kisutch, and O. tshawytscha. 88-005010 Bocking, Robert C. and Randall M. Peterman. PRESEASON SOCKEYE SALMON (ONCORHYNCHUS NERKA): COMPARISON OF METHOD
- CONSIDERATIONS. Con. J. Fish. Aquat. Sci. 45(8):1346-1354. 1988. French summ. FR 33(4) (LGL Ltd., Environ, Res. Assoc., 9768 Second St., Sidney, BC, Canada
- Christensen, Sigurd W.; James E. Breck and W. Van Wir 88-005011 ACIDIFICATION EFFECTS ON FISH POPULATIONS, USING LABORATORY INFORMATION, Environ, Toxicol, Chem. 7(9):735-747, 1988, FR 33(4) [Environ. Sci. Div. Oak Ridge Natt. Lab., P.O. Box 2008, Oak Ridge, "
- RATES FROM CHANGES IN MEAN BODY MASS. Can. J. Fish. Aquat. Sci 1988. In English with French summ. FR 33(4) [Div. Nat. Sci., St. Norbert Coll., De Pere, WI 54115] Micropterus salm

88-005012 Cochran, P. A. and K. J. Knutsen. ERROR IN ESTIMAT

- 88-005013 Conrad, Jon M. and Richard Adu-Asamoah. SINGLE AN SYSTEMS: THE CASE OF TUNA IN THE EASTERN TROPICAL ATLANTIC. Manage, 13(1):50-68, 1986, FR 33(4) [Dep. Econ., Univ. British Columbia, 997-1873 E. Mall, Vancouver, BC
- Thunnus obesus, T. albacares, and Euthynnus pelamis.
- 88-005014 Couto, Vitar De Athayde, [SOME QUESTIONS ON THE DEVE WORLD FISHERY ECONOMICS. 1 Invest. Pesa. 51(Suppl. 2):65-72. 1987
- English summ, FR 33(4) [Fac. Cienc., Univ. Fed. Bahia, 40000 Salvador, Bahia, Brazil]
- 88-005015 Crance, J. H. HABITAT SUITABILITY INDEX CURVES F FISHES. Am. Fish. Soc. Symp. 1:551, 1987. Abstract only. FR 33(4) [Div. Biol. Serv., U.S. Fish & Wildl. Serv., 2627 Redwing Rc., Fort

Morane saxatilis, Alosa sauldissima, Acidenser asychyarhus, and A. hrev

dron. Econ. Manage. 15(1):64-70. 1988. FR 33(4) Dep. Econ. & Bur. Business & Econ. Res., Univ. Md., College Park 207421 005017 Deriso, Richard B. and Ana M. Parma. DYNAMICS OF AGE AND SIZE DCHASTIC POPULATION MODEL. Can. J. Fish. Aquat. Sci. 45(6):1054-1068. 19 dish with French summ. FR 33(4) Int. Pac. Halibut Comm., P.O. Box 95009, Seattle, WA 981451 005018 Devillers, J.; D. Zakarya and M. Chastrette. A PREDICTIVE CORREL R THE ACUTE TOXICITY OF ORGANIC POLLUTANTS TO PIMEPHALES PROM emosphere 17(8):1531-1537, 1988, FR 33(4) Inst. Pasteur Lyon, 77 rue Pasteur, 69365 Lyon cedex 07, Francel 005019 Diana, James S.; Steven L. Kohler and David R. Ottoy. A YIELD MODE LKING CATFISH PRODUCTION IN AQUACULTURE SYSTEMS. Aquaculture 71(1/2): 8. FR 33(4) School Nat. Resour. & Great Lakes Res. Div., Univ. Mich., Ann Arbor 48109 rias batrachus and C. lazera. 005020 Doherty, Pater J. and David McB. Williams. THE REPLENISHMENT OF G F FISH POPULATIONS. Oceanogr. Mar. Biol. Annu. Rev. 26:487-551, 1988. FR 33 School Australian Environ. Studies, Griffith Univ., Nathan, Qld. 4111, Australia) 005021 Fentaine, Thomas D.; G. A. Lang and D. Scavia. COMBINED ECOSYS NTAMINANT FATE AND EFFECTS MODELS FOR THE GREAT LAKES: EXPLORING

005016 Cropper, M. L. A NOTE ON THE EXTINCTION OF RENEWABLE RESOURC

NSEQUENCES OF MULTIPLE OBJECTIVE MANAGEMENT. Int. Assoc. Great Lake of. 30:A-20, 1987, Abstract only, FR 33(4) Great Lakes Environ. Res. Lab., 2205 Commonwealth Blvd., Ann Arbor, MI 48105) 005022 Francis, R. I. C. C. ARE GROWTH PARAMETERS ESTIMATED FROM TA D AGE-LENGTH DATA COMPARABLE? Can. J. Fish. Aquot. Sci. 45(6):936-942. 1 afish with French summ. FR 33(4)

Fish, Res. Div., Minist, Agric. & Fish., P.O. Box 297, Wellington, New Zealand 005023 Franquesa, Ramon, [ECONOMIC ANALYSIS OF A COASTAL FISHERY.] g. 51(Suppl. 2):37-53. 1987. In Spanish with English summ. FR 33(4)

Dep. Teoria Econ., Fac. Cienc. Econ. & Empresariales, Univ. Cent. Bar

rcelona, Spain) 005024 Frie, Richard Victor. SIMULATION OF THE WALLEYE POPULATION

HERY OF LAKE OF THE WOODS, MINNESOTA. Ph.D. dissertation, Univ. Minn 7. From Abstr. Int. B Sci. Eng. 49(3):620-621. 1988. FR 33(4)

tlzostedion vitreum.

005025

Fuwa, Shigeru; Osamu Sato; Katsuaki Nashimoto and Nobio Higo. RDING MODEL BY GROUND ROPE. | Nippon Suisan Gakkaishi 54(7):1155-1159. 1

panese with English summ. FR 33(4) Fac. Fish., Kagoshima Univ., Kagoshima 890, Japan I pain 8-005027 Gee, A. S. and R. W. Edwards. RECREATIONAL EXPLOITATION TLANTIC SALMON IN THE RIVER WYE. In: Allocation of Fishery Resources. crover, editor, p. 129-137. 1980. In English with French summ, FR 33(4) [Dep. Appl. Biol., UWIST, Cardiff CF1 3NU, Wales] Salmo salar in Wales.

Gonzalez Laxe, Fernando, [THE ECONOMICS OF FISHERIES MANAG

8-005026 Gallastegui, M. Carmen, [THEORETICAL AND EMPIRICAL CONSIDERA" HE ANALYSIS OF FISHERIES, Linvest, Pesa, 51(Suppl. 2):21-35, 1987. In Spa

[Dep. Teoria Econ., Fac. Cienc. Econ. & Empresariales, Univ. Pais Vasco, Pa

notish summ. FR 33(4)

3-005028

nvest, Pesg. 51(Suppl. 2):243-252, 1987. In Spanish with English summ. FR 33(4) (Secretaria Gen. Pesca Maritima, Jose Ortega & Gasset, 57, 28006 Madrid, Spain) 8-005029 Goulter, lan C. and Reinhold Castensson. MULTI-OBJECTIVE ANAL OATING AND FISHLIFE INTERESTS IN LAKE SOMMEN, SWEDEN, Int. J. Water Pev. 4(3):191-199, 1988, FR 33(4) [Dep. Civil Eng., Univ. Manitoba, Winnipeg, MB, Canada R3T 2N2]

8-005030 Graham, John H. and Robert C. Vrijenhoek. DETRENDED CORRESP NALYSIS OF DIETARY DATA. Trans. Am. Fish. Soc. 117(1):29-36, 1988. FR 33(-[Dep. Biol. Sci., Wayne State Univ., Detroit, MI 48202] Enneaconthus obesi iloriosus.

8-005031 Hale, S. S. TIME-SERIES ANALYSIS OF DISCHARGE, TURBIDI UVENILE SALMON OUTMIGRATION IN THE SUSITNA RIVER, ALASKA. Am. F symp. 1:554. 1987. Abstract only. FR 33(4) [Dep. Fish & Game, Susitna River Aquatic Studies Program, Anchorage, A Incorhynchus nerka and O. tshawytscha. 8-005032 Jensen, A. L.; R. H. Reider and W. P. Kovalak. ESTIMATION OF PRO

ORGONE. N. Am. J. Fish. Manage. 8(2):191-198. 1988. FR 33(4) [School Nat. Resour., Univ. Mich., Ann Arbor 48109] Dorosoma cepedianum in La 38-005033 Kerr, S. R. and R. A. Ryder. THE APPLICABILITY OF FISH YIELD IN

RESHWATER AND MARINE ECOSYSTEMS. Limnol, Oceanogr. 33(4, Part 2):973-9 R 33(4) IFish. & Oceans, Mar. Ecol. Lab., Bedford Inst. Oceanogr., Dartmouth, NS, Ca IA21

38-005034 Keup, Lowell E. INVERTEBRATE FISH FOOD RESOURCES O ENVIRONMENTS. INSTREAM FLOW INFORMATION PAPER NO. 24. U.S. Fish WI

Biol. Rep. 88(13):96p. 1988. Available from U.S. Fish & Wildl. Serv. Publ. Unit Bldg., Rm 148, Washington, DC 20240. FR 33(4)

[U.S. Environ, Prot. Agency, Washington, DC 20460]

00503G Klein, W.; A. W. Klein and A. W. Lange, editors. ADVANC ZIRONMENTAL HAZARD AND RISK ASSESSMENT 1987. PROCEEDINGS OF ERNATIONAL WORKSHOP HELD AT SCHMALLENBERG-GRAFSCHAFT, G.F.R. TEMBER 1987, Chemosphere 17(8):1381-1641, 1988, FR 33(4) Umweltbundesant, Bismarckplatz 1, D-1000 Bertin 33, West Germany) Selected exed in this issue of Fisheries Review. 205037 Lastado, Rafael. [MARKETING IN THE FISHERY INDUSTRY.] Invest. Suppl. 2):99-112, 1987. In Spanish with English summ. FR 33(4) Dir. Gen. Pesca Maritima, Dep. Agric., Ramaderia Pesca, Ungel, 187.08036 Bari in) 005038 Layber, William G. and O. Eugene Maughan, RELATIONS BETWEEN RTER SPECIES AND THEIR RESPECTIVE ABIOTIC ENVIRONMENTS. Proc. Okia. 67:11-22, 1987, FR 33(4) Environ, Serv. Sect., Fish & Game Comm., R.R. 2, Box 54A, Pratt, KS eostoma spectabile and Percina phoxocephala in Kansas and Oklahoma. 005039 Layher, William G. and O. Eugene Maughan, USING STREAM SURVEY DA DICT DIRECTIONAL CHANGE IN FISH POPULATIONS FOLLOWING PHYSICOCHE REAM PERTURBATIONS. Environ, Toxicol, Chem. 7(9):389-399, 1988, FR 33(4) Environ, Sery, Sect. Dep. Wildl. & Parks, Box 54A, R.R. #2, Pratt, KS 67124] Loomis, David K. and Robert B. Ditton. TECHNIQUE FOR PROJECTING 005040 TURE GROWTH AND DISTRIBUTION OF MARINE RECREATIONAL FISHING DEMAN J. Fish. Manage. 8(2):259-263. 1988. FR 33(4)
Dep. Physical Educ. & Leisure Studies, Iowa State Univ., Ames 50011) 305041 Masip Cosin, Jose. [VIGILANCE IS AN INVESTMENT. A CASE STUDY.] / σ , 51(Suppl. 2):55-64, 1987. In Spanish with English summ, FR 33(4) Comite Tecnico Pesca Mediterraneo, Puerto Pesquero, 12 Castellon de la Plana, Spai 205042 Masip Segarra, Jose Manuel. (A MODEL OF A DEMOCRATIC REARRANG THE STANDING COMMITTEE OF THE SPANISH MEDITERRANEAN.) Invest. Suppl. 2):169-178. 1987. In Spanish with English summ. FR 33(4) Avda, Puerto, 300,46024 Valencia, Spain). 005943 Miller, Jon R. and J. John Charbonneau. THE U.S. NATIONAL SURV HING, HUNTING AND WILDLIFE ASSOCIATED RECREATION: A DESIGN FOR F ALYSIS. In: Allocation of Fishery Resources. John H. Grover, editor. p. 286-288 English with French summ. FR 33(4)

Mohan, M. V. and T. M. Sankaran. TWO NEW INDICES FOR ST

Dep. Econ., Univ. Utah, Salt Lake City 841121

005044

005035 Kimura, Daniel K. ANALYZING RELATIVE ABUNDANCE INDICES WITH

NMFS, Northwest & Alaska Fish. Cent., Bldg. 4, BIN C15700, 7600 Sand Point Way

EAR MODELS, N. Am. J. Fish, Manage, 8(2):175-180, 1988, FR 33(4)

ttle, WA 981151

```
ALLOCATING EFFORT AMONG COMMON PROPERTY COD STOCKS (A GENE
HARVEST FUNCTION). J. Environ. Econ. Manage. 13(1):30-49. 1986. FR 33(4)
[Dep. Econ., Univ. Colo., Boulder 80309] Gadus morhua.
88-005046 Nemec, A. F. L. and R. O. Brinkhurst. THE FOWLKES-MALLOWS ST
AND THE COMPARISON OF TWO INDEPENDENTLY DETERMINED DENDROGRAMS.
Fish. Aquat. Scl. 45(6):971-975. 1989. In English with French summ. FR 33(4)
[Int. Stat. & Res. Corp., P.O. Box 496, Brentwood Bay, BC, Canada VOS 1A0]
98-005047 Nemec, A. F. L. and R. O. Brinkhurst. USING THE BOOTSTRAP TO
STATISTICAL SIGNIFICANCE IN THE CLUSTER ANALYSIS OF SPECIES ABoldsymbol{v}
DATA. Can. J. Fish. Aquat. Sci. 45(6):965-970. 1988. In English with French s
33(4)
[Int. Stat. & Res. Corp., P.O. Box 496, Brentwood Bay, BC, Canada VOS 1A0]
88-005048 Ntiba, M. J. and V. Jaccarini. AGE AND GROWTH PARAMETERS OF S
SUTOR IN KENYAN MARINE INSHORE WATER, DERIVED FROM NUMBERS OF C
MICROBANDS AND FISH LENGTHS. J. Fish. Blot. 33(3):465-470. 1988. FR 33(4)
[School Biol. Sci., Univ. E. Anglia, Norwich, England]
88-005049 O'Brien, Loretta and Ralph K. Mayo. SOURCES OF VARIATION IN CAT
UNIT EFFORT OF YELLOWTAIL FLOUNDER, LIMANDA FERRUGINEA (S'
HARVESTED OFF THE COAST OF NEW ENGLAND. U.S. Natt. Mar. Fish. Serv. Fis
86(1):91-108, 1988, FR 33(4)
[Northeast Fish. Cent., NMFS, NOAA, Woods Hole, MA 02543]
          Pajak, Paul and Richard J. Neves. HABITAT SUITABILITY AN
88-005050
PRODUCTION: A MODEL EVALUATION FOR ROCK BASS IN TWO VIRGINIA ST
Trans. Am. Fish. Soc. 116(6):839-850. 1987. FR 33(4)
[Dep. Nat. Resour., Southeast Dist. Headquarters, P.O. Box 12436, Milwaukee, V
Ambloplites rupestris.
88-005051 Parkinson, Eric A. Jonathan Berkowitz and Christopher J. Bull. SAMP
REQUIREMENTS FOR DETECTING CHANGES IN SOME FISHERIES STATISTICS FROM
TROUT LAKES. N. Am. J. Fish. Manage, 8(2):181-190, 1988, FR 33(4)
(British Columbia Fish, Branch, 2204 Main Mall, Univ. British Columbia, Vancous
Canada V6T 1W5)
88-005052 Pelletier, Jacques. [ANALOG DIGITAL SIMULATION MODEL FOR ANAL
DEMAND ON FISH RESOURCES FOR RECREATION IN A NON-COMPETITIVE CONTE
Allocation of Fishery Resources, John H. Grover, editor, p. 293-297, 1980. In Fre
```

[Minist. Loisir, Chasse & Peche, Direction Planification, 150 Boul. St. Cyri

SARDINA PILCHARDUS (WALBAUM, 1792) AND ENGRAULIS ENCRASICOLUS (LII 1758) IN THE MERIDIONAL HALF OF THE CATALAN COAST.) Invest. Pesq. 51(4):

(Inst Cienc del Mac Paron Nac ata 00000 D

Pertierra, Juan Pablo and Arturo Castellon. [ACOUSTIC EVALUATI

Enalish summ, FR 33(4)

1987. In Spanish with English summ. FR 33(4)

Canadal

88 - 005053

83-005045 Morey, Edward R. A GENERALIZED HARVEST FUNCTION FOR F

last. Zool. Unīv. Liege, Serv. Ethol. Anim.-Aquarium, Unite Res. Piscicoles, 23 i Beneden, B-4020, Liege, Belgium] 095055 Polgar, T. T.; M. A. Turner and J. K. Summers. EFFECT OF POWER FRAINMENT ON THE POPULATION DYNAMICS OF THE BAY ANCHOVY (A) CHILLI), Ecol. Model, 41(3/4):201-218, 1988, FR 33(4) Martin Marietta Environ, Syst., 9200 Rumsey Rd., Columbia, MD 210451 005056 Ruiz, Gumersindo; Antonio Narvaez and Juan Carlos Martinez LATIONSHIP BETWEEN ECONOMICS AND ECOLOGY IN THE ANALYSIS OF FISHE est. Pesg. 51(Suppl. 2):179-192. 1987. In Spanish with English summ. FR 33(4) Fac. Cienc. Econ., Univ. Malaga, Malaga, Spain] 205057 Saenger, R. Alfred. SWIMBLADDER SIZE VARIABILITY IN MESOPELAGIO BIOACOUSTIC MODELING, J. Acoust. Soc., Am., 84(3):1007-1017, 1988. FR 33(4) Surface Ship Sonar Dep., Naval Underwater Syst. Cent., New London Lab. don, CT 06320) 005058 Schuurmann, G. and W. Klein, ADVANCES IN BIOCONCENTR DICTION. Chemosphere 17(8):1551-1574. 1988. FR 33(4) Fraunhofer-Inst. Uweltchem. & Okotoxikol., D-5948 Schmallenberg-Grafschaft. many] 205058 Squires, Date: FISHING EFFORT: ITS TESTING, SPECIFICATION, ERNAL STRUCTURE IN FISHERIES ECONOMICS AND MANAGEMENT. J. Environ. age. 14(3):268-282. 1987. FR 33(4) Natl. Mar. Fish. Serv., Southwest Fish. Cent., P.O. Box 271, La Jolla, CA 92038] 105060 Shinath, M. A SIMPLE METHOD OF ESTIMATION OF MORTALITY, 194 1. 33(2):235-237, 1986, FR 33(4) Cent. Mar. Fish, Res. Inst., Cochin, India) 105061 Stainaker, Clair B. EFFECTS ON FISHERIES OF ABSTRACTIONS TURBATIONS IN STREAMFLOW. In: Allocation of Fishery Resources. John H. C or. p. 366-383, 1980. In English with French summ. FR 33(4) Coop. Instream Flow Serv. Group. U.S. Fish & Wildl. Serv., 2625 Redwing Rd lins, CO 80526] 005062 Steinmetz, B. MANAGEMENT OF FISH STOCKS IN THE NETHERLANDS AN D FOR PLANNING. In: Allocation of Fishery Resources. John H. Grover, editor. 1980. In English with French summ, FR 33(4) Minist. Agric. & Fish., Dir. Fish., P.O. Box 20401, Bezuldenhoutseweg 73, 25 ue, Netherlands]

005063 Stocker, M. and D. J. Noakes. EVALUATING FORECASTING PROCEDURI EDICTING PACIFIC HERRING (*CLUPEA HARENGUS PALLASI*) RECRUITMENT IN B

005054 Phillippart, J. C. (INTRODUCTION TO THE EVALUATION OF ECOLOGIC CIO-ECONOMIC ASPECTS OF SPORT FISHING IN THE OURTHE (MEUSE) BAS GIUM I In: Allocation of Fishery Resources, John H. Grover, editor, p. 298-307.

French with English summ. FR 33(4)

(Dep. Fish, & Oceans, Biol. Sci. Branch, Pac. Biol. Stn., Nanaimo 5K61 88-005064 Stroud, R. H.; G. C. Radonski and R. G. Martin, EVOLV BEST-USE ALLOCATIONS OF FISHERY RESOURCES. In: Allocation of

88-005063 CONTINUED English with French summ. FR 33(4)

John H. Grover, editor. p. 418-431, 1980. In English with French summ. (Sport Fish, Inst., 608 13th St. N.W., Suite 801, Washington, DC 2000) 88-005065 Vacek, J.; F. Kubu and A. Kratochvil. FORMATION AND US

STANDARDS IN FISH CULTURE, Pr. Vodnany No. 16, p. 77-83, 198

Czech summ. FR 33(4) [Vyzkumny ustav ekon. zemedelstvi & vyzivy, Manesova 75, Czechoslovakia) 88-005066 van Alderwegen, Hendrik A. APPLICATION OF RESULTS C ATTENDANCE RESEARCH IN REGIONAL SUPPLY AND DEMAND ANALYSI Fishery Resources, John H. Grover, editor, p. 452-460, 1980. In English FR 33(4)

[Inst. Land & Water Manage, Res., Wageningen, Netherlands] 88-005067 Van Leeuwen, J. L. and C. W. Spoor. BITING FORCE

DISCUSSION OF THE PLANAR MODEL OF BAREL (1983). Neth. J. Zoo 1987. FR 33(4) [Res. Group Human-Joint Biomech., Dep. Anat., Univ. Leiden, P.O. Leiden, Netherlands) 88-005068 Vetter, E. F. ESTIMATION OF NATURAL MORTALITY IN

REVIEW. U.S. Nati. Mar. Fish. Serv. Fish. Bull. 86(1):25-43. 1988. FR [Southwest Fish, Cent., NMFS, NOAA, P.O. Box 271, La Jolla, CA 920 88-005069 Wang, Cheng-Hai; Osamu Sato; Katsuaki Nashimoto and Kats

SIMILARITY OF EDDY AREA BEHIND SIMPLIFIED COMPONENTS IN STRUCTURE. Bull. Fac. Fish. Hokkaldo Univ. 39(2):96-105. 1988. In En [Lab. Fishing Gear Eng., Fac. Fish., Hokkaido Univ., Hakodate 041, . 88-005070 Wang, Chien-Hailing and Syoiti Tanaka. [DEVELOPMENT OF

ANALYSIS METHOD AND ITS APPLICATION TO THE INDIAN OCEAN LENGTH COMPOSITION.) Bull. For Seas Fish. Res. Lab. No. 25, p. 1-73 with English summ. FR 33(4) Thunnus albacares.

88-005071 Weber, Jacques. [ECONOMIC THEORY AND FISHER PROPOSALS FOR RESEARCH.] Invest. Pesq. 51(Suppl. 2):73-80. 19.

Spanish and English summ. FR 33(4) [IFREMER, B.P. 1049, 44037 Nantes, France]

Zaferman, M. L. and L. I. Serebrov. A GEOMETRI-88-005072 DISTRIBUTION OF FISH IN A SCHOOL. J. Ichthyol. (Engl. Tran

[Polar Sci.-Res. Inst. Mar. Fish. & Oceanogr. -- PINRO, Murmansk,

27(6):145-148, 1987, FR 33(4)

8-005073 Zhang, Chang Ik and Patrick J. Sullivan. BIOMASS-BASED COHORT A THAT INCORPORATES GROWTH, Trans. Am. Fish, Soc. 117(2):180-189, 1989, FR [NMFS, Northwest & Alaska Fish. Cent., 7600 Sand Point Way N.E., Seattle, W leuronectes quadrituberculatus, Theragra chalcogramma, and Limanda aspera.

8-C05074 Zuboy, James R. THE DELPHI TECHNIQUE: A POTENTIAL METHODOL VALUATING RECREATIONAL FISHERIES. In: Allocation of Fishery Resources. Grover, editor, p. 519-530, 1980. In English with French summ. FR 33(4)

[Dep. Commerce, Southeast Fish. Cent., 75 Virginia Beach Dr., Miami, FL 33149]

AKE MANAGEMENT AND RESEARCH

8-005075 Brown, Charles I., and T. A. Edsall, SUBSTRATE COMPOSITI

DISTRIBUTION ON HISTORICALLY IMPORTANT LAKE TROUT SPAWNING REE

Issoc, Great Lakes Res. Conf. 30:A-9, 1987. Abstract only. FR 33(4)

[U.S. Fish & Wildl. Serv., 1451 Green Rd., Ann Arbor, MI 48105] Salvelinus nom

8-005076 Campos, Jorge A. [FISHERY OF "GUAPOTE" (CHICHLASOMA DOVII) RENAL, COSTA RICA.] Rev. Biol. Trop. 34(2):215-219. 1986. In Spanish with

umm. FR 33(4)

[Cent. Invest. Cienc. Mar. & Limnol. (CIMAR) & Escuela Biol., Univ. Costa Ri

lical

8-005077 Christie, W. Jack and George R. Spangler. OVERVIEW OF SYMPOSI

issoc. Great Lakes Res. Conf. 30:A-11. 1987. Abstract only. FR 33(4)

[Ontario Minist, Nat. Resour., R.R. #4, Picton, ON, Canada KOK 2T0]

8-005078 Collins, John J. CHANGES IN THE NORTH CHANNEL FISH COMMUNIT

0: A-18. 1987. Abstract only. FR 33(4)

[Great Lakes Fish. Comm., 1451 Green Rd., Ann Arbor, MI 48105] Petromyzon mo

8-005080 Eshenroder, Randy L. COURDINATED MANAGEMENT OF THE LAKE

REHABILITATION PROGRAM IN THE GREAT LAKES. Int. Assoc. Great Lakes R 10: A-18, 1987, Abstract only, FR 33(4) [Great Lakes Fish: Comm., 1451 Green Rd., Ann Arbor, MI 48105] Salvelinus nan

[Res. Cent., SUNY Coll., Oswego, NY 13126]

8-005081 Flint, R. Warren. LAKE ONTARIO FISHERIES: ARE THERE SURPRISES? Int. Assoc. Great Lakes Res. Conf. 30:A-19. 1987. Abstract only. FR

MPHASIS ON PINK SALMON (ONCORHYNCHUS CORBUSCHA WALBAUM). Hyd-63:195-213, 1988, FR 33(4) [Lake Huron Fish. Res. Unit, Ontario Minist. Nat. Resour., R.R. 1, Tahkum anada POP 200]

8-005079 Eshenroder, Randy L. PROSPECTS FOR SEA LAMPREY CONTROL CONNECTING CHANNELS OF THE GREAT LAKES. Int. Assoc. Great Lakes Ri

3-005082 Foster, N. R.; R. M. Horrall and M. E. Holey, HELPING LAKE TROU THEIR WAY HOME: EXPERIMENTS WITH NATURAL AND UNNATURAL CHEMICAL CUE Issoc. Great Lakes Res. Conf. 30:A-20, 1987. Abstract only. FR 33(4) [U.S. Fish & Wildl. Serv., Natl. Fish. Cent.-Great Lakes, 145] Green Rd., Ann 11 48105] Salvelinus namaycush. 8-003083 Giles, Nick; Mike Street and Rosalind Wright. POTENTIAL COMPETITIO OOD BETWEEN FISH AND DUCKLINGS ON GRAVEL PIT LAKES. Come Conserv. Rev. p. 135-138, 1987, FR 33(4) 8-005094 Henderson, Bryan A. and N. Robert Payne. CHANGES IN THE GEORGIA ISH COMMUNITY, WITH SPECIAL REFERENCE TO LAKE TROUT (SALV VAMAYCUSH) REHABILITATION. Hydrobiologia 163:179-194, 1988. FR 33(4) [Ontario Minist. Nat. Resour., Lake Huron Res. Stn., R.R. 1, Tehkummah, ON, OP 2001 S. namayoush, Coregonus spp., C. clupeaformis, C. artedli, Petromyzon m Mosa pseudoharengus, Osmerus mordox, and Oncorhynchus spp. INTERNA 8-005085 International Association for Great Lakes Research. ASSOCIATION FOR GREAT LAKES RESEARCH 30th CONFERENCE: PROGRA ABSTRACTS. Univ. Mich. (Ann Arbor) 64p. 1987. FR 33(4) [2200 Bonisteel Blvd., Univ. Mich., Ann. Arbor 48109] Selected abstracts included ssue of Fisheries Review. 8-005086 Johnson, B. G. Herbert. A COMPARISON OF THE EFFECTIVENESS

ite. Marie, ON, Canada P6A 1P01 Petromyton morinus. Kennedy, John. CURRENT CONCERNS OF LAKE MICHIGAN CI 38-005087 FISHERMEN. Int. Assoc. Great Lakes Res. Conf. 30: A-33. 1987. Abstract only. FR 3 [Green Bay Metropolitan Sewerage Dist., P.O. Box 19015, Green Bay, WI 54307] 38-005088 Kitchell, J. F. PERSPECTIVES ON PREDATOR-PREY STUDIES IN THE LAKES, Int. Assoc, Great Lakes Res. Conf. 30:A-35, 1987, Abstract only, FR 33(4)

AMPREY CONTROL IN GEORGIAN BAY AND THE NORTH CHANNEL OF LAKE

[Dep. Fish. & Oceans, Sea Lamprey Control Cent., Canal Dr., Ship Canal P.O.

Hydrobiologia 163:215-222, 1988, FR 33(4)

[Cent. Limnol., Univ. Wis., Madison 53706] 88-005089 Koonce, J. F.; C. P. Schneider and W. Dantry, INTEGRATED MANAGEM SEA LAMPREY IN LAKE ONTARIO: SIMULATION ANALYSIS OF OPTIONS FOR LAKE

REHABILITATION, Int. Assoc. Great Lakes Res. Conf. 30:A-35, 1987, Abstract o

33(4) [Dep. Biol., Case Western Res. Univ., Cleveland, OH 44108] Salvelinus namayo Petromyton marinus,

88-005090 Lichtkoppler, Frank R. and Leroy J. Hushak. AN ECONOMIC ANAL'

OHIO CHARTER FISHING FIRMS. Int. Assoc. Great Lakes Res. Conl., 30: A-3: Abstract only: FR 33(4) [Ohio State Univ., 99 E. Erie St., Painesville 44077]

Loftus, Kenneth H. ASPY - SO WHAT! Int. Assoc. Great Lakes Re-88-005091

1987. Abstract only, FR 33(4) Great Lakes Res. Div., Univ. Mich., Ann Arbor 481091 Solvelinus namovcush. 88-005093 Marsden, J. Ellen; Charles C. Krueger and Clifford P. Schneider, EVII

88-005092 Mansfield, Pamela J. and David J. Jude. CHARACTERIZATION OF S HABITAT BEFORE STOCKING LAKE TROUT. Int. Assoc. Great takes Res. Conf.

Res. 14(1):3-8, 1988, FR 33(4) [Dep. Nat. Resour., Cornell Univ., Ithaca, NY 14853] Salvelinus namayoush.

NATURAL REPRODUCTION BY STOCKED LAKE TROUT IN LAKE ONTARIO. J. G.

88-0.35094 Matthews, W. J.; L. G. Hill; D. R. Edds; J. J. Hoover and T. C TROPHIC ECOLOGY OF STRIPED BASS, MORONE SAXATILIS, IN A FRE RESERVOIR (LAKE TEXOMA, U.S.A.), J. Fish Biol. 33(2):273-288. 1988. FR 33(4) [Univ. Okla., Biol. Stn. & Dep. Zool., Kingston 73439] Dorosoma spp.

33-005095 McDonald, Michael E. and James H. Selgeby. FORAGE FISHES IN AKE SUPERIOR: A COMMUNITY IN TRANSITION. Int. Assoc, Great Lakes R 30: A-43, 1987, Abstract only, FR 33(4) INat. Resour. Res. Inst., Univ. Minn., Duluth 558111

88-005096 Nelson, Wesley C. HIGH LAKE RESEARCH AND MANAGEMENT IN CO Colo, Div. Wildi. Spec. Rep. No. 64. 41p. 1988. Available at \$1.00 from: Ri Library, Colo. Div. Wildl., 317 W. Prospect, Fort Collins 80526, FR 33(4).

38-005397 Peck, James W. REPRODUCTION BY HATCHERY LAKE TROUT 1 SUPERIOR AND MICHIGAN, Int. Assoc. Great Lakes Res. Conf. 30:A-48, 1987. only. FR 33(4)

[Marquette Fish, Stn., 488 Cherry Creek Rd., Marquette, MI 49855] namoyeush.

38-005098 Quinn, Stephen P. EFFECTIVENESS OF RESTRICTED AREAS IN R NCIDENTAL CATCHES OF GAME FISH IN A GILL-NET FISHERY. N. Am. J. Fish 3(2):224-230, 1988, FR 33(4)

(In-Fisherman, Inc., P.O. Box 999, Brainerd, MN 56401) 88-005099 Sly, P. G. and M. Munawar. GREAT LAKE MANITOULIN: GEORGIAN

THE NORTH CHANNEL, Hydrobiologia 163:1-19, 1988, FR 33(4) [Natl. Water Res. Inst., Environ, Canada, Canada Cent. Inland Waters, E

Burlington, ON, Canada L7R 4A6]

38-005100 - Steinmetz, B. and D. Slothouwer. FISHERY EXPERIENCE WITH THE S $^{\circ}$ SALT LAKE GREVELINGEN AFTER ITS CLOSURE. In: Allocation of Fishery Resour 1. Grover, editor, p. 396-402, 1980, In English with French summ, FR 33(4)

Minist, Agric & Fish., Dir. Fish., P.O. Box 20401, Bezuidenhoutseweg 73, lague, Netherlands

38-035101 Talhelm, D. R. THE INTERNATIONAL GREAT LAKES SPORT FISHERY Great Lakes Fish, Comm. Spec. Publ. 88-4, 70p. 1988, FR 33(4) [Dep. Park & Recreational Resour., Mich. State Univ., East Lansing 48824]

ES FISHERY MANAGEMENT. Int. Assoc. Great Lakes Res. Conf. 30:A-58. tractionly, FR 33(4) Dep. Park & Recreation Resourt, Mich. State Univ., East Lansing 48824] 05103 Talhelm, Daniel R. and Righard C. Bishop, THE ULTIMATE GREAT L DATOR: ECONOMIC VALUES AND IMPACTS. Int. Assoc. Great Lukes Res. Conf. 1987. Abstract only. FR 33(4) Dep. Park & Recreation Resour., Mich. State Univ., East Lansing 48824] 05104 - van Ginkel, C. J. SPORT FISHING ON LAKE IJSSEL. *In: Allocation of F* ources, John H. Grover, editor, p. 461-467, 1980, In English with French sum finist, Agric. & Fish., Dir. Fish., P.O. Box 20401. Bezuidenhoutseweg 73, 25 ue Netherlands) 105105 - Vaux, P.; W. Wurtsbaugh; H. Trevino; L. Marino; E. Bustamante; J. T Richerson and R. Alfaro. ECOLOGY OF THE PELAGIC FISHES OF LAKE TITI U-BOLIVIA. Biotropica 20(3):220-229, 1988, FR 33(4) Yurtsbaugh: Dep. Fish & Wildl. & Ecol. Cent., Utah State Univ., Logan 84322 stias Ispl., O. mullerl, and Basilichthys bonariensis. ER AND STREAM MANAGEMENT AND RESEARCH 05106 Adebisi, A. A. CHANGES IN THE STRUCTURAL AND FUNCT IPONENTS OF THE FISH COMMUNITY OF A SEASONAL RIVER. Arch, Hyd 3):457-463, 1988, FR 33(4) tydrobiol. & Fish. Unit, Dep. Zopl., Univ. Ibadan, Ibadan, Nigeria) 005107 Austen, Douglas J. and Donald J. Orth. EVALUATION OF A 305-mm MIN GTH LIMIT FOR SMALLMOUTH BASS IN THE NEW RIVER, VIRGINIA AND GINTA: N. Am. J. Fish. Manage. 8(2):231-239, 1988, FR 33(4) Nat. Hist. Surv., Nat. Resour. Bldg., 607 E. Peabody Dr., Champaign, IL ropterus dolomieul. DD5108 Bjornn, T. C. SURVIVAL OF CHINOOK SALMON SMOLTS AS RELAT RESS AT DAMS AND SMOLT QUALITY, 1987, Idaho Coop, Fish Wildl. Res. Unit

95102 Talhelm, Daniel R. NEW APPROACHES TO USING SOCIAL SCIENCES IN C

hington. 005109 Brewin, D. J. and J. R. Martin. WATER QUALITY MANAGEMENT: A REC RSPECTIVE - THE SEVERN-TRENT AREA. Regul. Rivers Res. Manage. 2(3):2 8. FR 33(4)

Coop. Fish & Wildl. Res. Unit. Univ. Idaha, Moscow 838431 Oncorhynchus tshawyt.

. 88(1):14p. 1988, FR 33(4)

Severn Trent Water Authority, Abelson House, Coventry Rd., Birmingham, Englan

005110 Buettner, Edwin W. ECOLOGY OF SELECTED STREAMS IN THE FRANK C /ER OF NO RETURN WILDERNESS AREA. M.S. Thesis. Univ. Idaho 1987. fr 33(4)

- 83-005111 Castelnaud, G.; O. Clement; M. Trouvery and Ph. De Verdilli OF THE GIRONDE RIVER ESTUARY (FRANCE): ITS PECULIARITIES AND
- In: Allocation of Fishery Resources, John H. Grover, editor, p. 34-36, 19 English summ, FR 33(4) [Div. Amenage, Littoraux & Aquacult., 50, Ave. Verdun, BP 3 Gazin
- Francel 88-005112 Cowley, Paul K. POTENTIAL FOR INCREASING ABUNDANCS TROUT IN STREAMS BY STOCKING FRY AND REMOVAL OF BROOK TRO
- Delucchi, Carle M. COMPARISON OF COMMUNITY STE STREAMS WITH DIFFERENT TEMPORAL FLOW REGIMES. Can. J. Zool. 66
 - In English with Franch summ. FR 33(4) [Dep. Entomol., Cornell Univ., Ithaca, NY 14853]

Univ. Idaho 90p. 1987, FR 33(4) Salmo clarki and Salvelinus fontinalis.

89-005115

Dolloff, C. Andrew, SEASONAL POPULATION CHARAC HABITAT USE BY JUVENILE COHO SALMON IN A SMALL SOUTHEAST Trans. Am. Fish. Soc. 116(6):829-838. 1987. FR 33(4) [U.S. For. Serv., Southeast. For. Exp. Stn., Dep. Fish. & Wild Blacksburg, VA 24061] Oncorhynchus kisutch.

WASHINGTON STATE DEPARTMENT OF FISHERIES V. FERC: F

Feldman, Murray D. NATIONAL WILDLIFE FEDERATION

Gardiner, John L. ENVIRONMENTALLY SOUND RIVE

- REGULATORY COMMISSION IGNORES NINTH CIRCUIT REBUKE C PERMITTING. Ecol. Law Q, 15(2):319-360, 1988, FR 33(4)
- 88-005116 Figueiras, F. G. and F. X. Niell. (PHYTOPLANKTON COMPOS OF PONTEVEDRA (NW SPAIN).] Invest. Pesq. 51(3):371-409. 1987. In Sp
- (Inst. Invest. Mar., Peirao Bouzas, s/n. 36208-Vigo, Spain)
- 1988. FR 33(4) [Thames Water Rivers Div., Reading, England] 88-005118 Gilon, Christiane. [EXPLORATIVE INQUIRY INTO SPO

EXAMPLES FROM THE THAMES CATCHMENT. Regul. Rivers Res. Man

- SELGIUM.) In: Allocation of Fishery Resources. John H. Grover, editor In French with English summ. FR 33(4) [Inst. Zool., Univ. Liege, Qual Van Beneden 22, 4020 Liege, Belgium]
- 88-005119 Gurtz, Martin E. and Cathy M. Tate. HYDROLOGIC INFL DECOMPOSITION IN A CHANNEL AND ADJACENT BANK OF A GALLERY
- 89-005120 Harvey, Bret C. SUSCEPTIBILITY OF YOUNG-OF-THE-Y

Am. Midf. Nat. 120(1):11-21. 1988. FR 33(4) [P.O. Box 2857, Raleigh, NC 27602]

CENTRAL NEVADA AND EASTERN CALIFORNIA. U.S. Ceol. Surv. 20p. 1988. Available from Books & Open-File Rep. Sect. U.S. Geo Bax 25425, Denver, CO 80225 FR 33(4) Salma clarki henshawi. 89-005123 Hoffand-Bartels, Leslie E. and Michael C. Duval. VARL

OF YOUNG-OF-THE-YEAR CHANNEL CATFISH IN A NAVIGATION MISSISSIPPI RIVER Trans. Am. Fish. Soc. 117(2):202-208. 1988. F U.S. Fish & Wildl. Serv., Natl. Fish. Res. Cent., P.O. Box 81 letalurus punctotus. 89-0-5124 Houvenaghel, G. T. HUMAN IMPACT ON THE DIADRO

THE MEUSE RIVER BASIN: A HISTORICAL AND GEOGRAPHICAL Sec. Symp. 1:559, 1987. Abstract only. FR 33(4) [Univ. Libre Bruxelles, Brussels, Belgium] Data for 11 spp. 83-005125 Johnson, F. G. HYDROPOWER DEVELOPMENT ON F Reput. Rivers Res. Manage, 2(3):277-292, 1988, FR 33(4)

(North Scotland Hydro-Electric Board, Edinburgh, Scotland)

Krueger, Charles C. and Bernie May. STOCK 63-003126 NATURALIZED BROWN TROUT IN LAKE SUPERIOR TRIBUTARI BASED ON ALLOZYME DATA. Trans. Am. Fish. Soc. 116(6): 785-794

[Dep. Nat. Resour., Coll. Agric. & Life Sci., Cornell Univ., 1 trutto. 83-C05127

Krueger, Charles and Bernie May. GENETIC COMPARI RAINBOW TROUT POPULATIONS AMONG LAKE SUPE DIFFERENTIATION BASED ON ALLOZYME DATA. Trans. Am. Fis 1937, FR 33(4) [Dep. Nat. Resourt, Coll. Agric. & Life Sci., Cornell Univ., 1

gairdness.

Lagler, Karl F. INTEGRATING FISHERY RESOURCE TROPICAL RIVER BASIN DEVELOPMENT AND WATER MANAGE Affocation of Fishery Resources, John H. Grover, editor, p. 180-19 French summ. FR 33(4) [School Nat. Resour., Univ. Mich., Ann Arbor 48109]

53-005129 Larinier, M. [MESOLOGICAL EFFECTS OF SEDIMENT STREAM BEDS] In: Allocation of Fishery Resources. John H. Grov 1980. In French with English summ. FR 33(4) [CERIT-CTGREF, BP 26, 31320 Castanet Tolosan, France] Mann, R. H. K. FISH AND FISHERIES OF REGULATE Regul. Rivers Res. Manage. 2(3):411-424. 1988. FR 33(4)

[F.B.A. East. Rivers Group, c/o I.T.E., Monks Wood Exp. Huntingdon PE17 2LS, England] Mbumwae, L. L. ENVIRONMENTAL MANAGEMENT OF SYSTEM. Regul. Rivers Res. Manage. 2(4):553-557. 1988. FR 33(4) ASSEMBLAGE STRUCTURE IN AN OHIO STREAM. Copela 1988(3):684-691. 1988. [Univ. Ga. Savannah River Ecol. Lab., Drawer E. Aiken, SC 29801] 89-005134 Odenweller, Dan B. and Randall L. Brown, DELTA FISH FACILITIE REPORT THROUGH JUNE 30, 1982. Interagency Ecol. Study Prog. Sacramento-Estuary Tech. Rep. 6, 90p. 1982, FR 33(4) [Fish, Fac. Tech. Coordinating Comm., Dep. Fish & Game, 4001 N. Wilson Way CA 95205] 88-005135 Pickard, Alan; Allen M. Grover and Frank A. Hall, Jr. AN EVAL PREDATOR COMPOSITION AT THREE LOCATIONS ON THE SACRAMEN Interagency Ecol. Study Prog. Sacramento-San Jonquin Estuary Tech. Rep. 2. [Bay-Delta Fish, Project, 4001 N. Wilson Way, Stockton, CA 95205] Morone s Ptychochellus grandis. Pinay, G.; K. A. Salewicz and G. Kovacs. AN ATTEMPT TO E 88-005136 WATER MANAGEMENT ISSUES IN THE ZAMBEZI RIVER BASIN USING DECISIO SYSTEMS, Regul, Rivers Res. Manage, 2(4):559-563, 1988, FR 33(4) [Int. Inst. Appl. Syst. Analysis, Schlossplatz 1, A-2361 Laxenburg, Austria]

88-005132 McDowell, William H. and Gene E. Likens, ORIGIN, COMPOSITION, OF DISSOLVED ORGANIC CARBON IN THE HUBBARD BROOK VALLEY. Ec

88-C05133 Meffe, Gary K. and Tim M. Berra. TEMPORAL CHARACTERISTIC

58(3):177-195, 1988, FR 33(4)

[Res. Cent., King Hall, SUNY, Oswego, NY 13126]

88-005137 Raquel, Paul F. ESTIMATED ENTRAINMENT OF STRIPED BASS LARVAE AT STATE WATER PROJECT AND CENTRAL VALLEY PROJECT FACILITY SACRAMENTO-SAN JOAQUIN DELTA 1985 AND 1986. Interagency Ecol. Sacramento-San Joaquin Estuary Tech. Rep. 13. 27p. 1987. FR 33(4) [Bay-Delta Fish. Project, 4001 Wilson Way, Stockton, CA 95205] Morone saxatil

88-085138 Sheldon, Andrew L. CONSERVATION OF STREAM FISHES: PA DIVERSITY, RARITY, AND RISK. *Conserv. Biol.* 2(2):149-156. 1988. In (Spanish summ. FR 33(4) {Zool. Dep., Univ. Mont., Missoula 59812}

88-005139 Szaro, Robert C. and John N. Rinne, ECOSYSTEM APPROACH TO M OF SOUTHWESTERN RIPARIAN COMMUNITIES, Trans, N. Am. Wildt. Nat. Re 53:502-511, 1988, FR 33(4) [U.S. For, Serv., Rocky Mt. For, & Range Exp. Stn., Ariz, State Univ., Ten

(U.S. For. Serv., Rocky Mt. For. & Range Exp. Stn., Ariz. State Univ., Ten

88-005140 Tsai, Chu-fa and Liaquat Ab. CARP SPAWN FISHERY IN THE PADM BRAHMAPUTRA RIVER SYSTEM, BANGLADESH, Indian J. Fish. 33(4):386-40 33(4)

[Chesapeake Biol. Lab., Cent. Environ. & Estuarine Studies, Univ. Md., 2068

88-005141 Turner, R. Eugene. SECONDARY PRODUCT ON IN RIPARIAN Trans. N. Am. Wildt. Nat. Resour. Conf. 53:491-501. 1988. FR 33(4)

O NIGERIAN HEADWATER STREAMS IN RELATION TO MAN-MADE PERTURBA 1. Conserv. 45(2):93-108, 1988, FR 33(4) Dep. Zool, & Fish., Univ. Cross River State, PMB 1017, Uvo, Nigerial 005143 - Vincent, Frederic, COLUMBIA BASIN ANADROMOUS SALMONID FISHERI ocation of Fishery Resources. John H. Grover, editor, p. 486-492, 1980. In Engli nch summ, FR 33(4) U.S. Fish & Wildl, Serv., 500 N.E. Multisomah St., Portland, OR 972321 005144 Whittier, Thomas R.; Robert M. Hughes and David P. RRESPONDENCE BETWEEN ECOREGIONS AND SPATIAL PATTERNS IN S OSYSTEMS IN OREGON. Can. J. Flsh. Aquat. Scl. 45(7):1264-1278. 1988. In Engli nch summ. FR 33(4) Northrop Serv. Inc., 200 SW 35th St., Corvallis, OR 973331 005145 Wood, Richard, OUTSTANDING PROBLEMS IN RIVER REGULATION. ers Res. Monage. 2(3):471-477. 1988. FR 33(4) Severn Trent Water Authority, Abelson House, Coventry Rd., Birmingham, Englar RM POND AND SMALL IMPOUNDMENT MANAGEMENT AND RESEARCH. 005146 Scarnegchia, Dennis L. EVALUATION OF FISH ERADICATION AND GAN STOCKING IN A CENTRAL IOWA POND. J. Iowa Acad., Sci., 95(2):55-59, 1988, FR Dep. Anim. Ecol., Iowa State Univ., Ames 500111 RGE IMPOUNDMENT MANAGEMENT AND RESEARCH 005147 Finnell, Larry M. THE FISHERIES OF ELEVENMILE CANYON RESE LORADO, 1982-1987. Colo, Div. Wildl. Spec. Rep. No. 63, 21p. 1988. Available m: Res. Cent. Library, Colo. Div. Wildl., 317 W. Prospect, Fort Collins 80526. FR sox lucius. Salmo gairdnerl, and Oncorhynchus nerka. 005148 Irving, John Spencer. THE EFFECTS OF SELECTIVE WATER WITHDRAW OPLANKTON POPULATIONS OF LAKE KODCANUSA, MONTANA. M.S. Thesis no 76p. 1987, FR 33(4) 005149 Johnson, Brett M.; Roy A. Stein and Robert F. Carline. USE OF A QUITENONE TECHNIQUE AND BIOENERGETICS MODELING TO EVALUATE ALLABILITY TO STOCKED PISCIVORES. Trans. Am. Fish. Soc. 117(2):127-141. 1 (4) [Dep. Nat. Resour., 3070 Fish Hatchery Rd., Madison, WI 53713] *Docosomo cep* d Stitostedion vitreum in Ohio. -005150 Khallaf, Elsayed A. EFFECT OF IMPOUNDMENT ON THE GROWTH AND F BACRUS DOCMAC IN LAKE NASSER Regul. Rivers Res. Manage. 2(4):547-55 33(4)

[Dep. Zool., Fac. Sci., Almenofeva Univ., Shebeen Alkoom, Egypt]

COST42 Udoidiong, O. M. A COMPARATIVE SURVEY OF THE FISH COMMUNIT

E YEARS AFTER FILLING. Pr. Vodnany No. 16, p. 18-31, 1987. In English with m. FR 33(4) /yzkumny ustav rybarsky & hydrobiol., Vodnany, pracoviste Dol. 252-66 Liben vou, Czechoslovakial 105152 Libosvarsky, Jiri. IMPACT OF A NEWLY BUILT RESERVOIR ON SILVER B CCA BJOERKNA, Folla Zool, 36(4):359-370, 1987. In English with Russian sum nst. Syst. & Ecol. Biol., Czech. Acad. Sci., Brno, Czechoslovakia] 105153 – Pavlov, Dmitrij Sergejevic; Vlastimil Barus; Viktor Konstantinovic Nezdo of Gajdusek. DOWNSTREAM FISH MIGRATION FROM MOSTISTE AND VEST ERVOIRS. Prirodoved. Pr. Ustavu Cesk. Akad. Ved Brne 21(12):64p. 1987. In E Russian summ. FR 33(4) A.N. Severtzov Inst. Evol. Anim. Morphol. & Ecol., Acad. Sci., Leninski Prospe 071 Moscow, USSR] Poddubnyy, A. G. PRESENT STATE AND PROSPECTS OF FIL 05154 LIZATION OF RESERVOIRS. J. Ichthyol. (Engl. Transl. Vopr. Ikhtial.) 27(6): . FR 33(4) 05155 Willis, Charles F., compiler, PROCEEDINGS OF THE RESERVOIR MORT KSHOP, Columbia Basin Fish Wildl, Auth. 39p. 1987, FR 33(4) P.O. Box 59, Portland OR 97207] A collection of 14 presentations. 05156 Zhou Jie; Wang Ning; Zhang Shiping; Yi Bolu and Nie Xiuyun, [A STUI HYDROBIOLOGY AND THE FISH YIELD OF LAKE QINGLING WITH RESPEC HERIES MANAGEMENT.] Oceanol, Limnol, Sin., 18(5):442-449, 1987. In Chines lish summ. FR 33(4) luazhong Agric, Univ., Wuhan, China) UARY MANAGEMENT AND RESEARCH 05157 Brylinsky, Michael and G. R. Daborn. COMMUNITY STRUCTURE DUCTIVITY OF THE CORNWALLIS ESTUARY, MINAS BASIN. Continent. Shel -12):1417-1420, 1987, From Deep-Sea Res. Part B Oceanogr, Lit. Rev. 35(6):3541 33(4) Acadia Cont. Estuarine Res., Acadia Univ., Wolfville, NS, Canada BOP 1X0) 305158 Camp, J. and M. Delgado. [HYDROGRAPHY OF THE EBRO DELTA D est. Pesg. 51(3):351-369. 1987. In Spanish with English summ, FR 33(4) nst. Cienc. Mar., Paseo Nac., s/n. 08003 Barcelona, Spain)

105159 Cantrelle, 1.; G. Castelnaud; O. Clement and J. Gault. [THE ELVER FI FRANCE: OVERVIEW AND REGULATORY ASPECTS AND A CASE STUDY O ONDE RIVER ESTUARY.) In: Allocation of Fishery Resources. John H. Grover,

Dry Amenagements Litterary Appacult 50 Ave. Verdug. BP 3 Gaziner 33610

31-33, 1980, In French with English summ. FR 33(4)

205151 Krizek, J. DEVELOPMENT OF THE ICHTHYOFAUNA AND THE GROWTH O CH (PERCA FLUVIATILIS L.) IN THE STANOVICE RESERVOIR DURING THE

1)

ATLANTIC MENHADEN, BREVOORTIA TYRANNUS (PISCES: CLUP) RIVER ESTUARY, Estuaries 11(1):45-50, 1988, FR 33(4) [Natl. Mar. Fish. Serv., Woods Hole Lab., Woods Hole, MA 02543

Tricolatio, Revit D. and Econato W. Haas. Civil

Jacobsen, Terri. AN ECOSYSTEM-LEVEL STUDY OF LAGOON: BIOMASS ESTIMATION OF THE LEMON SHARK INECAP TOP CONSUMER SPECIES Ph.D. dissertation, Univ. Ga. 253p.

Int. B Sci. Eng. 49(3):621, 1988, FR 33(4) 89-005163 Kitching, J. A. ECOLOGICAL STUDIES AT LOUGH HY

FR 33(4) 88-005164 88-005164 Lopez S., Myrna I. and Carlos Arias de la ICHTHYOPLANKTON IN THE POCHOTE ESTUARY, BAHIA BALLE RICA.] Rev. Biol. Trop. 35(1):121-126. 1937. In Spanish with Eng

Ecol. Res. 17:115-186. From: Deep-Sea Res. Part B. Oceanogr. L

[Escuela Biol., CIMAR, Univ. Costa Rica, Costa Rica] 88-005165 Mironowski, A. N. [GEOGRAPHICAL VARIATION OF FEATURES OF THE MICROEVOLUTION OF POPULATIONS IN DI Zool. Zh. 67(7): 1013-1024, 1988. In Russian with English summ. F

[Inst. Biol. Inland Waters, USSR Acad. Sci., Borok, Yaroslayl C 88-005166 Norcross. Brenda L.: David Hata and John COMPOSITION OF FINEISH IN WATERS BEHIND THE VIRGINIA B Sci. 39(2):120. 1988. Abstract only. FR 33(4) [Div Biol. Ocean, & Fish, Sci., Inst. Mar. Sci., Coll. William

88-00516? Therres, Glenn D.; Janet S. McKegg and Robert CHESAPEAKE BAY CRITICAL AREA PROGRAM: IMPLICATIONS I Am. Wildl. Nat. Resour. Conf. 53:391-400, 1988. FR 33(4)

Ecol. Study Prog. Sacramento-San Joaquin Estuary Tech. Rep. 10

[For., Park & Wildl. Serv., Wye Mills, MD] 88-005168 Wernette, Frank G. 1981 SUISAN MARSH VEGETATI

VA 23062]

88-005170

MARINE MANAGEMENT AND RESEARCH

Alcala, Angel C. EFFECTS OF MARINE RESE ABUNDANCES AND YIELDS OF PHILIPPINE CORAL REEFS. Ambi

33(4) [Mar. Lab., Silliman Univ., Dumaguete City, Philippines]

Bertolotti, M. Isabel, Graciela V. Piergentili and ARGENTINEAN FISHERY INDUSTRY.] Invest. Pesq. 51(Suppl. 2) with English summ, FR 33(4) INIDEP, Playa Grande, Mar Plata, Argentina)

035172 Choat, J. H.; A. M. Ayling and D. R. Schiel, TEMPORAL AND SP RIATION IN AN ISLAND FISH FAUNA. J. Exp. Mar. Biol. Ecol. 121(2):91-111. 19 41 Dep. Mar. Biol., James Cook Univ., Townsylle, Old. 4811. Australial 005173 Clark, Colin W. and Geoffrey P. Kirkwood. ON UNCERTAIN RENE SOURCE STOCKS: OPTIMAL HARVEST POLICIES AND THE VALUE OF STOCK SUR Environ, Econ. Manage, 13(3):235-244, 1986, FR 33(4) Inst. Appl. Math., Univ. British Columbia, Vancouver, BC, Canada V6T 1Y4] 005174 Clarke, Arthur C. THE BATTLE FOR THE CORAL REEFS. Loris 18(1):12 erpt only. FR 33(4) Univ. Moratuwa, Moratuwa, Sri Lankal Dekhnik, T. V. and T. S. Rass. MAIN ASPECTS OF THE STUC 005175 THYOPLANKTON. J. Ichthyol. (Engl. Transl. Vopr. Ikhtiol.) 27(6):51-57. 19 1)

Bockstael, Nancy E. COMMERCIAL FISHERIES MANAGEMENT: THE GLAND GROUNDFISH EXPERIENCE. In: Allocation of Fishery Resources. John H. C

tor. p. 27-30, 1989. In English with French summ. FR 33(4) Dep. Resour, Econ., Univ. R.L., Kingston 028811

005171

Coop. Res. Rep. No. 155, 89p. 1988, FR 33(4) MAFF, Dir. Fish. Res., Fish. Lab., Lowestoft, Suffolk NR33 OHT, England) 005177 Didou, M. Henri. [THE MARINE FISHERIES OF BRITAIN: REPORT DPOSITIONS FOR THE FUTURE.) *Equinoxe* No. 18, p. 27-34, 1988. In French, FR 005178 Edwards, Robert L. PROBLEM OF THE DETERMINATION OF ALLOC

005176 Dickson, R. R. and R. G. V. Boelens, editors. THE STATUS OF CU OWLEDGE ON ANTHROPOGENIC INFLUENCES IN THE IRISH SEA, Int. Counc. (

NCIPLES IN THE NORTHWEST ATLANTIC REGION OF THE USA. In: Allocal hery Resources, John H. Grover, editor, p. 109-118, 1980. In English with French 33(4) Northeast Fish: Cent., NMFS, NQAA, Woods Hole, MA 025431

005179 Galzin, Rene and Pierre Legendre. THE FISH COMMUNITIES OF A CORAL ANSECT. Pac. Sci. 41(1-4):158-165, 1987, FR 33(4) Lab. Biol. Mar. & Malacol., Ecole Pratique Hautes Etudes, 55 rue de Buffon, f

is, Francel

005180 Garratt, P. A. BAROTRAUMA AND SEX REVERSAL - WHAT MANAG

RATEGY? Ocean. Res. Inst. (Durban) Poster No. 4. 1987. Presented at Sixth A anographic Symposium, University of Stellenbosch, Stellenbosch, 6-10 July 19 i)

Oceanogr, Res. Inst., P.O. Box 10712, Marine Parade, Durban 4056, South Africa'

MARINE MANAGEMENT AND RESEARCH (CONTINUED)

88-005182 Hanlon, Roger T. and Raymond F. Hixon. BEHAVIORAL CORAL REEF FISHES WITH THE SEA ANEMONE CONDYLACTIS GIGA TORTUGAS, FLORIDA. Bull. Mar. Scl. 39(1):130-134, 1986. FR 33(4)

[Mar. Biomed. Inst., 200 University Blvd., Univ. Tex. Med. Branch

27721 88-005183 Herrgesell, Perry L.; Raymond G. Schaffter and Caryla J. I.

FRESHWATER OUTFLOW ON SAN FRANCISCO BAY BIOLOGICAL RESOL Ecol. Study Prog. Socramento San Joaquin Estuary Tech. Rep. 7, 86p. 1 [Bay-Delta Fish, Project, 4001 N. Wilson Way, Stockton, CA 95205] Parophrys vetulus, Spirinchus thaleichthys, and Clupea harengus pallasi

88-005184 International Council for the Exploration of the Sea. REPO ADVISORY COMMITTEE ON FISHERY MANAGEMENT, 1987. Inc. Counc

[ICES, Palaegade 2-4, DK-1261 Copenhagen K, Denmark]

International Council for the Exploration of the Sea. MARIN AND WATER QUALITY MODELS. Int. Counc. Explor. Sea Coop. Res. I 1988. FR 33(4)

Res. Rep. No. 153, 417p. 1988, FR 33(4)

[Palaegade 2-4, 1261 Copenhagen K, Denmark]

Jie Zheng and Carl J. Walters, POPULATION DYNA! ASSESSMENT OF WANSHAN SPRING DECAPTERUS MARUADSI (T. & S. SEA. Fish. Res. 6(3):217-231. 1988. FR 33(4)

(School Fish. & Sci., Univ. Alaska, 11120 Glacier Hwy., Juneau 99801) 88-005187 Kasim, H. Mohamad and Mohammad Zafar Khan. A PRELIMIN

1986. FR 33(4)

88-005188

Fish. 33(3):354-358. 1986. FR 33(4)

[Bombay Res. Cent. Central Mar. Fish. Res. Inst., Bombay, India]

88-005150 McAllister, Don E. A GLOWING FUTURE FOR MARINE AQUA 1988, FR 33(4)

THE GILLNET FISHERY OFF VERAVAL DURING 1979-82. Indian J. I (Cent. Mar. Fish. Res. Cent., Veraval, India)

Khan, Mohainmad Zafar. MORTALITY AND STOCK-SIZE E BOMBAYDUCK, HARPODON NEHEREUS (HAM.), OFF NAWABUNDER, O

88-005189 Kriksunov, E. A. and M. Hilden, ANALYSIS OF SEASONAL FISH HARVEST. 1. Ichthyol. (Engl. Transl. Vopr. Ikhtiol.) 27(6):85-89 [Biol. Fac., Moscow State Univ., Moscow, USSR]

PEACEFUL PHILIPPINE REVOLUTION UNDER THE SEAS. Trop. Fish Ho

88-005191 McManus, John W. CORAL REEFS OF THE ASEAN REC MANAGEMENT. Ambio 17(3):189-193, 1988. FR 33(4)

8-005194 Moiseev, P. A. BIOPRODUCTIVE POTENTIAL OF THE WORLD OC Chihyol. (Engl. Transl. Vopr. Ikhtiol.) 27(6):47-50. 1987. FR 33(4)

8-005195 Murty, V. Sriramachandra STUDIES ON THE GROWTH AND POPULYNAMICS OF SILVERBELLY LEIGCNATHUS BINDUS (VALENCIENNES) IN THE TRADUNDS OFF KAKINADA. Indian J. Fish. 33(3):277-284. 1986. FR 33(4)

(Kakinada Res. Cent. CMFR Inst., Kakinada 533002, India)

8-005196 Myors, Katherine W. and Donald E. Rogers. STOCK ORIGINS OF CALMON IN INCIDENTAL CATCHES BY GROUNDFISH FISHERIES IN THE EASTERN EA. N. Am. J. Fish. Manage. 8(2):162-171. 1988. FR 33(4)

(Fish. Res. Inst., School Fish., WH-10, Univ. Wash., Seattle 98195) Oncor

8-005193 Moiseev, P. A. (FISH PRODUCTIVITY OF THE COASTAL WATERS OF T ISHING AREAS OF THE WORLD OCEAN.) Mar. Biol. Vladivostok 1988(1):52-58.

ussian with English summ. FR 33(4)

shawytscha.

[All-Union Inst. Food Ind., Moscow 109803, USSR1

3-005197 Nakamura, Eugene L. WHAT IS THE BEST USE OF FISH RESOURCES. S. GULF OF MEXICO? In: Allocation of Fishery Resources. John H. Grover, e 89-292. 1980. In English with French summ. FR 33(4)
[U.S. Dep. Commerce, 3500 Delwood Beach Rd., Panama City, FL 32407]

8-005198 Pearcy, W. G. and A. Schoener. CHANGES IN THE MARINE BIOTA COIL PITTH THE 1982-1983 EL NINO IN THE NORTHEASTERN SUBARCTIC PACIFIC OC Cophys. Res. 92(C13):14,417-14,428. 1987. From Deep-Sea Res. Part & Ocean ev. 35(7):4015. 1988. FR 33(4) [Coll. Oceanogr., Oreg. State Univ., Corvallis 97331]

[Coll. Oceanogr., Oreg. State Univ., Corvallis 97331]

8-095199 Perin, N. V. SOVIET OCEANIC ICHTHYOLOGY: ACHIEVEMEN'
ROSPECTS. J. Ichthyol. (Engl. Transl. Vopr. Ikhtlol.) 27(6):39-46. 1987. FR 33(

8-095200 Pillai, S. Krishna. THE RELATIVE MAGNITUDES OF PELAGIC AND D ROUPS OF FISHES IN THE TOTAL LANDINGS AT SASOON DOCK IN 1971 AND OMPARISON. Indian J. Fish. 33(3):359-361. 1986. FR 33(4) [Mandapam Regional Cent. CMFR Inst., Mandapam Camp, India]

[Mandapam Regional Cent. CMFR Inst., Mandapam Camp, India]

8-035201 Prosser, Norville S.; David B. Rockland and Gilbert C. Radonski. The LIFE-CYCLE THEORY, AQUACULTURE AND ECONOMICS IN MARINE F. LIFE-CYCLE THEORY, AQUACULTURE AND ECONOMICS IN MARINE F. CO. 100 CO. 100

F LIFE-CYCLE THEORY, AQUACULTURE AND ECONOMICS IN MARINE FI ANAGEMENT. Trans. N. Am. Wildl. Nat. Resour. Conf. 53:577-583. 1988. FR 33(4 [Sport Fish. Inst., Washington, DC]

8-005202 Sanderson, S. Laurie and Allan C. Solonsky. COMPARISON OF A RAPID IND A STRIP TRANSECT TECHNIQUE FOR CENSUSING REEF FISH ASSEMBLAG

ND A STRIP TRANSECT TECHNIQUE FOR CENSUSING REEF FISH ASSEMBLAC Nar. Sci. 39(1):119-129. 1986. FR 33(4) [Nus. Comp. Zool., Harvard Univ., Cambridge, MA 02138]

[Nus. Comp. Zool., Harvard Univ., Cambridge, MA 02138]

- tere in anythin fifth french samme fit both [Recreational Dev. Serv. Branch, NMFS, NOAA, St. Petersburg, Fl
 - FORMATION OF SAURY FISHING GROUNDS BY SATELLITE INFRARE Sulsan Gakkalshi 54(7):1093-1099, 1988, FR 33(4)

28-005204

Shinomiya, Hiroshi and Hideo Tameishi. DISCRIMINA

- [Dep. Fish., Nihon Univ., Shimouma 3-34, Setagaya, Tokyo 154, Ja
- 88-005205 Shuntov, V. P. FISH PRODUCTIVITY OF THE FAR EA (Engl. Transl. Vapr. Ikhtial.) 27(6):72-79. 1987. FR 33(4)
- 88-005206 Shuntov, V. P.; A. F. Volkov and A. Ya. Efinikin. [Th THE PRESENT STATE OF PELAGIC FISH COMMUNITIES OF WESTER Biol. Vladivostok 1988(2):56-65. 1988. In Russian with English summ. (Lab. Appl. Biocenol. & Lab. Mar. Ecosyst., Pac. Res. Inst. Vladivostok 690600, USSR) Clupen harangus pallosi and Mallotus villos
- 88-005207 Sinclair, Michael and T. Derrick Hes. POPULATION RICH SPECIES. Aquat. Living Resour. 1(1):71-83. 1988. In English with Fr [Dep. Fish. & Oceans, Hallfax Fish, Res. Lab., Hallfax, NS. Canad
- 88-005208 Thierry, Jean-Marie. ARTIFICIAL REEFS IN JAPAN / Aquacult, Eng. 7(5):321-348, 1988, FR 33(4) [Soc. Franco-Japonaise Oceanogr., 195 rue St. Jacques, 75008 Paris
- 88-005209 Tolentino, Amado S., Jr. LEGISLATIVE RESPONSE TO THE ASEAN SUBREGION. Amble 17(3):238-242, 1988, FR 33(4) [Natl. Environ. Protection Council, 6th Floor, Philippine Heart C Ave., Diliman, Quezon City, Philippines]
- 88-005210 Townsend, David W. and Leon M. Cammen. POTENTIAL TIMING OF SPRING PLANKTON BLOOMS TO BENTHIC-PELAG RECRUITMENT OF JUVENILE DEMERSAL FISHES. Biol. Oceanogr.
- FR 33(4) [Bigelow Lab. Ocean Sci., McKown Point, W. Boothbay Harbor, ME
- 88-005211 Tsamenyi, B. Martin, THE EXERCISE OF COASTAL STAT EEZ FISHERIES RESOURCES: THE SOUTH PACIFIC PRACTICE. Amb
 - (Fac. Law, Univ. Tasmania, G.P.O. Box 252C, Hobart, Tasm., 700
- 88-005212 van der Elst, R.; F. Adkin; D. Ballard and J. Shun LINEFISH CATCH STATISTICS: RECREATIONAL DATA. Ocean. Res. No. 12, 1987. Presented at Sixth National Oceanographic Symp Stellenbosch, Stellenbosch, 6-10 July 1987, FR 33(4)
 - Oceanogr. Res. Inst., P.O. Box 10712, Marine Parade, Durban 409

005213 Cho, Soon-Yeong, Ayumi Mura; Kenshiro Fujimoto and Mikio ROVEMENT IN OXIDATIVE STABILITY OF FISH MEAL BY ADDITION OF GLUCO: CELERATED MAILLARD REACTION. Nippon Suisan Gakkalshi 54(6):1017-1022 - 19 lish. FR 33(4) Dep. Food Chem., Fac. Agric., Tohoku Univ., Sandai 980, Japan)

005215 Kawai, Yuji and Mutsuo Hatano. [CURDING OF EMULSIONS STABILIZE CONYLATED PROTEIN FROM SARDINE AND RIPENING OF THE EMULSION CU pon Sulsan Gakkaishi 54(6):1027-1033, 1988. In Japanese with English summ. FR 33

005216 - Kawai, Yuji; Hiroshi Nomata and Mutsuo Hatano. [DEVELOPMENTS 18 OTEIN UTILIZATION OF ABUNDANTLY CAUGHT FATTY FISH VI. PREPARATIO CINYLATED TOTAL PROTEIN FROM SARDINE MUSCLE AND UTILIZATION OF DIFIED PROTEIN BY MICROORGANISMS.) Bull. Fac. Fish. Hokkaido Univ. 39(1):

Lab. Food Chem., Fac. Fish., Hokkaido Univ., Minato-cho, Hakodate (H), Japan]

35218 Muramoto, Manabu and Nobuo Seki. [FRAGMENTATION OF THE DENAT RP MYOSIN BY CALPAIN AND SOME PROPERTIES OF THE FRAGMENTS 1 Nippon

Niva, Eiji; Tian-tsuan Wang; Satoshi Kanoh and

ENGTHENING EFFECT OF THE VARIOUS NATURAL HIGH POLYMERS ON STICITY OF THE KAMABOKO, Nippon Suisan Gakkaishi 54(5):841-844, 1988. In El

Fac. Agric., Kochi Univ., Nankoku, Kochi 783, Japan] Scomber Japonicus a

Obatake, Atsushi and Masakatu Kawano, RELATIONSHIP BETWEEN CLE CONTENT AND BODY SIZE IN COMMON MACKEREL. Nippon Suison Gal

kolshi 54(6):1055-1061, 1988, In Japanese with English summ, FR 33(4) Dep. Food Sci., Fac. Fish., Hokkaido Univ., Hilkodate 014, Japan]

Miwa, Eiji; Tian-Tsuan Wang; Satoshi Kanoh and Teruo Naka TRIBUTION OF GELLING SUBSTANCE TO MUSCULAR PROTEIN NETWORK STRUC HIN KAMABOKO. Nippon Sulson Cakkaishi 54(6):898-992. 1988. In English. FR 33(

ILIENTION OF FISHING PRODUCTS

3. In Japanese with English summ. FR 33(4)

ac. Fish., Mie Univ., Tsu 514, Japan]

ac. Fish., Mie Univ., Tsu 514, Japan 1

5):885, 1988. In English. FR 33(4)

anl

:05217

05219

33(4)

005220

ralasicus.

005214 Firimoto, Kenshiro; Yasushi Endo; Soon-Yeong Cho; Ritsuko Watabe; uki; Masanori Konno; Kazuo Shoji; Kunio Arai and Shozaburo Saito. A NEW METHO DDUCING KAMABOKO FROM SARDINE MEAT POWDER BY DEHYDRATION WITH A

OTIC PRESSURE RESIN AND DEFATTING WITH LIQUIFIED CARBON DIOXIDE. A

san Gakkaishi 54(6):1071. 1988. In English. FR 33(4).

Dep. Food Chem., Fac. Agric., Tohoku Univ., Amaniya-Machi Tsutsunidori, Send

Lab. Food Chem. I, Fac. Fish., Hokkaido Univ., Hakodate 041, Japan)

Teruo

Nak

```
88-005221 Savage, G. P. and M. J. Foulds. CHEMICAL COMPOSITION
VALUE OF ANTARCTIC KRILL (EUPHAUSIA SUPERBA) AND SOUTHER
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IMICROMESISTIUS AUSTRALIS). N.Z. J. Mar. Freshwater Res. 21(4): 33(4) [Dep Biochem., Lincoln Coll., Univ Canterbury, Canterbury, New Zea

88-005222 Takiguchi, Akihide. [EFFECTS OF SMOKING ON LIPID OXIDA AND NIBOSHI POWDER | Nippon Sulsan Cakkalshi 54(5):869-874. 1988. English summ. FR 33(4) [Chiba Prefectural Fish, Exp. Stn., Chikura, Chiba 295, Japan] Engrou

MISC. TECHNIQUES AND EQUIPMENT

88-005223 Alberta Fish and Wildlife Division. AERATING LAKES AND PO WINTERKILL, Alberta Fish, Wildl, Div. Habitat Dev., Fact Sheet No. 4, 4p. (Sun Cent., 530-8 St. S., Lethbridge, AB, Canada [1J 2J8]

88-005224 Anthoughd, M. and V. Wolf, A COMPUTERIZED SURVEILLANCE ON SELF-FEEDING MEASURES IN FISH POPULATIONS. Aquaculture 71(1 FR 33(4)

(Lab. Psychophysiol., U.E.R. Sci. Comportement & Environ., Univ. Lo. University, 67800 Strasbourg, France Oreochromis mossambleus, Dicentification Siturus gionis.

88-005225 Beyan, David J. and Donald L. Kramer. A CONTROL SYSTEM TERM MAINTENANCE OF HYPOXIC WATER. Aquaculture 71(1/2):165-169.

[80 Mooregate Crescent, Apt. 1001, Kitchener, ON, Canada N2M 5G1] Blouw, D. M.; S. D. Saxon and E. M. P. Chadwick, TEMPOR.

MERISTIC TRAITS WITHIN AN ATLANTIC SALMON (SALMO SALA) IMPLICATIONS FOR STOCK IDENTIFICATION. Can. J. Fish. Aquet. Sci. 1988. In English with French summ. FR 33(4) [Dep. Biol., St. Francis Xavier Univ., Antigonish, NS, Canada B2G 1C0

88-005227 Cairns, D. K. SEABIRDS AS INDICATORS OF MARINE FOOE Oceanogr, 5(4):261-271, 1987, FR 33(4)

ISci. Branch, Dep. Fish. & Oceans, Box 5030, Moncton, NB, Canada El-

88-005228 Denton, N. R.; G. Cliff; A. P. Bowmaker and G. D. Thurma TRANSPORT AND MAINTENANCE IN CAPTIVITY OF LARGE SHARKS FO PURPOSES IN THE FIELD. Ocean. Res. Inst. (Durban) Poster No. 2. Sixth National Oceanographic Symposium, University of Stellenbosch, July 1987, FR 33(4) [Oceanogr. Res. Inst., P.O. Box 10712, Marine Parade, Durban 40

Corcharinus obscurus, C. leucas, and Galeocerdo cuvieri in South Africa. 88-005229 Gregory, R. S. and P. M. Powles, RELATIVE SELECTIVITIES

SPEED SAMPLERS AND LIGHT TRAPS FOR COLLECTING ICHTHYOPL Fish. Aquat. Sci. 45(6):993-998, 1988. In English with French

- 88-005229 CONTINUED summ. FR 33(4) [Dep. Zool., Univ. British Columbia, 6270 University Blvd., Vancouver
- 2A9] Lepomis gibbosus, Perca flavescens, and Etheostoma exile in Canada.

88-005230 Hansel, Hal C.; Stephen D. Duke; Peter T. Lofy and Gerard DIAGNOSTIC BONES TO IDENTIFY AND ESTIMATE ORIGINAL LENGT

- PREY FISHES. Trans. Am. Fish. Soc. 117(1):55-62. 1988. FR 33(4) [Duke: U.S. fish & Wildl. Serv., Natl. Flsh. Res. Cent., Columbia Riv Rt., Cook, WA 986051
- 88-005231 Hidaka, Hideo and Ryo Tatsukawa, (MARKING METHODS BEHAVIOR OF FISH.] Nippon Sulsan Cakkalshi 54(5):887, 1988. In Japano
- [Dep. Environ, Conserv., Ehime Univ., Tarumi 3-5-7, Matsuyama 790, . Hu Mantian and Wu Baoren. [A SMART DIRECT READING C 88-005232
- Oceanol, Limnol, Sin. 19(2):173-178, 1988. In Chinese with English summ. [Shandong Coll. Oceanol., Qingdao, China]
- 88-005233 International Council for the Exploration of the Sea. REPORT GROUP ON METHODS OF FISH STOCK ASSESSMENTS: COPENHAGEN, 1985. Int. Coung. Explor. Sea Coop. Res. Rep. No. 157, 92p, 1988. FR 33 Int. Counc. Explor. Sea, Palegade 2-4, 1261 Copenhagen K, Denmark]
- 88-005234 Maisse, Gerard; Alain Pinson and Maurice Loir. [CHARACTE FITNESS FOR CRYOPRESERVATION OF MILT FROM RAINBOW TROUT (S TOGETHER WITH PHYSICO-CHEMICAL CRITERIA.) Aguat. Living Re 1988. In French with English summ. FR 33(4)
- [INRA, Lab. Physiol. Poissons, Campus Beaulieu, 35042 Rennes Cedex, Mukai, Tohru; Tsuneyoshi Suzuki; Noritatsu Sano and Kohji I OF SWIMBLADDER ON TARGET STRENGTH OF KOKANEE (ONCORHY) ADONIS).] Bull. Fac. Fish. Hokkaldo Univ. 39(2):106-114, 1988. In Jap
- [Lab. Instrument Eng. Fishing, Fac. Fish., Hokkaido Univ., Hakodate (Petering, Raymond W. and Michael J. Van Den Avyle, RELA

summ. FR 33(4).

- OF A PUMP FOR SAMPLING LARVAL GIZZARD AND THREADFIN SHAD. Soc. 117(1):78-83, 1988, FR 33(4) Ischool Nat. Resour., Div. Fish. & Wildl. Manage., 122A Kottman Hall. Columbus 43210) Dorosoma petenense and D. cepedianum in Georgia.
 - 88-005237 Saad, A.; R. Billard; M. C. Theron and M. G. Hollebe PRESERVATION OF CARP (CYPRINUS CARPIO) SEMEN. Aquaculture 71(FR 33(4)
 - [1. N.R.A., Stn. Physiol. Anim., 78350 Jouy-en-Joses, France]
 - 88-005238 Schoonbee, H. J. and J. H. Swanepoel, RAPID REMOVAL O GLAND OF THE SHARPTOOTH CATFISH CLARIAS GARIEPINUS (BURG (Pretoria) 14(2):111-114, 1988, FR 33(4)

00.000000 COM LINGELY [Dep. Zool., Rand Afrikaans Univ., P.O. Box 524, Johannesburg 2000, So

88-005239 Scobble, Alan E. and Ian M. Mackie. THE USE OF SODIUM DODE POLYACRYLAMIDE GEL ELECTROPHORESIS IN FISH SPECIES IDENTIF PROCEDURE SUITABLE FOR COOKED AND RAW FISH. J. Sci. Food Agric

1988. FR 33(4) [Torry Res. Stn., 135 Abbey Rd., Aberdeen AB9 8DG, Scotland]

88-005240 Scrivener, J. C. TWO DEVICES TO ASSESS INCUBATION : EMERGENCE OF SALMONIO FRY IN AN ESTUARY STREAMBED, N. Am. J

8(2):248-258, 1988, FR 33(4) [Dep. Fish. & Oceans, Biol. Sci. Branch, Pac. Biol. Stn., Nanaimo, B

5K6 Oncorhynchus keta in Canada. Vilenskaya, N. I. and N. B. Markevich. ON A METHOD Of

FECUNDITY BY THE WEIGHT METHOD, WITH AN EXAMPLE IN SALMON Ichthyol. (Engl. Transl. Vopr. Ikhtiol.) 27(6):135-140, 1987, FR 33(4) [Kamchatka Sect., Pac. Ocean Sci.-Res. Inst. Fish. & Oceanogr. Petropavlovsk-Kamchatskiy, USSR] Oncorhynchus nerka and O. kisutch.

88-005242 Williams, Thomas D.; John Christiansen and Scott Nygren. IN ANESTHESIA OF TELEOSTS AND ELASMOBRANCHS USING KETAMINE HY AAJPA (Am. Assoc. Jool. Parks Aquariums) Regional Conf. Proc. p. 13; 33(4)

ERYTHROCYTE.] Nippon Sulsan Gakkaishi 54(7):1221-1225. 1988. In Japan

Yoshioka, Keiko and Manabu Kitamikado. [DIFFERENTIATIO 88-005243 THAWED FISH FILLET FROM FRESH FISH FILLET BY THE EXA

[Monterey Bay Aquarium, 886 Cannery Row, Monterey, CA]

[Nakamura Gakuen Coll., Fukuoka 814, Japan]

88-005241

summ. FR 33(4)

REVIEWS, BIBLIOGRAPHIES, ETC.

88-005244 Ebbers, Mark A.; Peter J. Colby and Cheryl A. Lewis. WALL BIBLIOGRAPHY, Minn. Dep. Nat. Resour, Invest, Rep. No. 396, 201p. 1988 [Dep. Nat. Resour., 500 Lafayette Rd., St. Paul, MN 55155] Stizostedioi S. vitreum vitreum.

Aadland, Luther Phillip E.	Adams, S. Marshall
88-002992	88-000937
Aasjord, Dagtinn	Adams, William H. 88-001351
88-004146 AAssar, Sami	Adams, William J.
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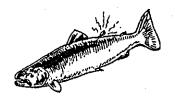
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Brazil: Paraguay River	88-004922 California: Elkhorn Slough
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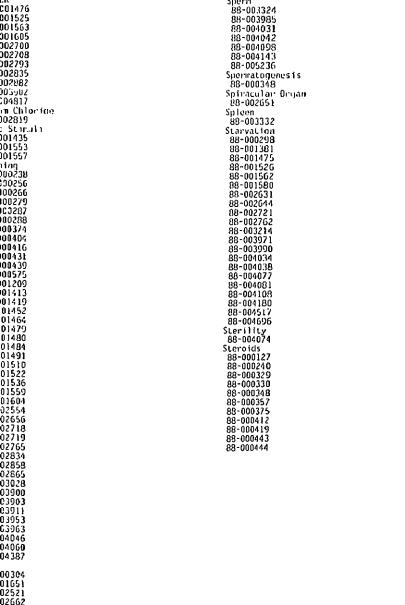
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maticides	88-002075
8-004882	88-002121
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8-004793	88-002215 88-002865
trite	88-003278
8-002061	88-003296
8-002129	88-003328
trosalicylanilides 8-004965	88-003350 98-003355
1 Drilling Effluents	88-003355 88-003358
8-003311	88-003367
1 Pollution	88-004808
8-002044 8-002070	Phenanthrene
8-002128	88-003323 Phosalone
8-003293	88-002114
B-003311	Phosphamidon
8-003325 9-004940	88-003371
8-004840 8-004880	Phosphorus
	88-002076 Phytoplankton
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8-003277	Piscicides
8-003281 8-003315	88-003280
8-005017	88-003353 88-004963
	Plasticizers
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8-004806 8-004833	Polybrominated Biphenyls
8-004833 8-004855	88-002131
	Polychlorinated Biphenyls 88-002040
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8-004765	88-002056
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H	88-002109 88-002118
8-003368	88-002130
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8-004832	88-003281
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8-003347	88-003305
8-004861	88-003313
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8-002086 8-004796	88-003339 98-003348
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8-002025	88-003368
8-002069 9-002089	88-003369
8-002088 8-002113	88-004762 88-004797
8-002114	88-004802
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8-003377	88-004832
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Potassium	99-00-1630
88-004837	1810
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Potassium Dichromate	TCDO
88-000842	88-002100
Pulp Mill Effluents	88-002123
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88-002059	88-003369
88-003254	88-004881
88-003303	Techniques
88-003347	88-003271
88-004756	88-003315
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88-004769	88-004785
88-004785	88-004792
88-004806	88-004797
88-004809	88-004798
88-004812	88-004821
88-004820	88-004838
88-004821	88-004868
88-004828	Temperature
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88-004847	88-004800
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88-004858	88-004803
88-004863	1FM
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88-004870	88-002120
Pyrethroids	88-004853
88-003273	88-004965
88-003342	Thiocyanate
88-004796	_88-003367
Radiation	Thiodan
88-003289	88-002025
Radionuclides	88-003342
88-000832	_88-003351
Resin Acids	Tin
88-004863	88-003304
	88-003374
Rotenane 88-003280	Tojuene
88-003353	88-002090
	Toxaphene
88-004729	88-000859
Salinity	88-002025
88-002063	88-004762
Sediment Bioassays	88-D04826
88-000845	Toxic Algae
88-004780	88-004777
88-004816	88-004799
88-004866	Toxic Roe
88-004874	88-004832
Selenium	Toxicity Testing
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88-002089	88-004856
88-002122	88-004859
88-002135	Toxins
88-003290	88-000843
88-003304	88-002063
88-003308	Trace Contaminants
88-003336	88-002096
88-003365	Trace Metals
Sodium Arsenite	88-002096
88-003366	

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Tributyltin	_88-0052 <u>1</u> 9
88-002132	Fish as Food
88-003380 88-004774	88-000027 88-001173
88-004775	88-002035
Irichlorion	88-002154
88-004784	88-002489
Irichloroguaiacol	88-002490
88-003303	88-002491
Triclopyr Butoxyethyl Ester	88-002825
_88-003337	88-003163
Tumors 88-004766	88-003304
Urban Runoff	88-003326 89-003364
88-003319	88~003643
88-003370	88-003645
Urea	88-003646
88-004963	88-003647
Vanadium	88-003648
88-002082	88-003649
Wastewater	88-003650
88-000834 88-002110	88-003715 88-004776
Xenabiotics	88-004857
88-000852	88-004868
88-000854	88-004881
88-002048	88-005213
88-002126	88-005214
88-003272.	88-005216
88-003291 88-003303	88-005218 88-005210
88-003293 88-003347	88-005219 88-005220
88-003349	88-005221
88-004763	Fish Flavoring
88-004779	88-002540
88-004801	Food Technology
88-004809	88-002490
88-004812 88-004823	88-002492 88-003645
88-004865	88~003647
88-005057	88-005212
Zinc	88-005213
88-000851	88-005214
88-002045	88-005215
88-002089	88-005216
88-002105 88-002133	88-005218 88-005221
88-002665	Marketing
88-003248	88-001173
88-003275	88-002488
88-003331	Oil Production
88-003354	88-003644
88-004779	Smoking Fish 88-005221
88-004793 88-004810	Storage Effects
88-004827	88-002492
88-004859	88-003643
2,4-dinitrophenol	88-003646
88-003296	88-003648
88-004819	88-003649
Utilization of Fishery Products	88-003651 89-005317
Carcass Traits 88-000140	88-005217 88-005242
88-002491	Taste and Odor Probl
55 502.151	88-002493

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